

Prowirl 73F25, DN25 1"

Vortex flow meter

For saturated steam and other mass flow applications of gases and liquids

Flanged version, 2-wire technology

Implemented Gas and Energy calculator

One sensor for all line sizes

Life-time calibration ensures high plant availability

Low cost of ownership due to maintenance-free mechanical design

Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73F25-**50105025**

SPK: DBA



Prowirl 73F25, DN25 1"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- H PN100, flange EN1092-1-B2 (DIN2501)
- J PN160, flange DIN2501, DIN2526E
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- P Cl.600 RF Sch.80, flange ANSI B16.5
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 4 40K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 2 Inconel718, -200...+400oC
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- S marine certificate
- U Verified + cleaned from oil+grease
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone

- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS CI,I,II,III Div.1,2/CSA CI.I,II,III Div.1,2; CI.I zone 0
- P FM XP CI.I Div.1/CSA CI.I Div.1, A-G; CI.II;CI.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72FRG, DN40 1 1/2" > DN25 1"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72FRG-
71027578
 SPK: DBA



Prowirl 72FRG, DN40 1 1/2" > DN25 1"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone

- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS CI,I,II,III Div.1,2/CSA CI.I,II,III Div.1,2; CI.I zone 0
- P FM XP CI.I Div.1/CSA CI.I Div.1, A-G; CI.II;CI.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72FRF, DN25 1" > DN15 1/2"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72FRF-
71027576
 SPK: DBA



Prowirl 72FRF, DN25 1" > DN15 1/2"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- S marine certificate
- U Verified + cleaned from oil+grease
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone

- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS CI,I,II,III Div.1,2/CSA CI.I,II,III Div.1,2; CI.I zone 0
- P FM XP CI.I Div.1/CSA CI.I Div.1, A-G; CI.II;CI.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73FSR, DN250 10" >>DN150 6"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

**73FSR-
71027604
SPK: DBA**



Prowirl 73FSR, DN250 10" >>DN150 6"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- A PN10, flange EN1092-1-B1 (DIN2501)
- B PN16, flange EN1092-1-B1 (DIN2501)
- D PN25, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X

- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system

- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer

- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73F3H, DN300 12"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73F3H-
50105032
SPK: DBA



Prowirl 73F3H, DN300 12"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- A PN10, flange EN1092-1-B1 (DIN2501)
- B PN16, flange EN1092-1-B1 (DIN2501)
- D PN25, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 2 Inconel718, -200...+400oC
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- V Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone

- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72F15, DN15 1/2"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72F15-
50102040
 SPK: DBA



Prowirl 72F15, DN15 1/2"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- C Alloy C-22 -40...+260oC / -40...+500oF
- T Stainl. steel 316Ti/316L -50...+400oC /-60...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- J PN160, flange DIN2501, DIN2526E
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- P Cl.600 RF Sch.80, flange ANSI B16.5
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 4 40K Sch.80, flange JIS B2220
- 5 PN250, flange DIN2501, DIN2526E
- 6 Cl.1500 RF Sch.80, flange ANSI B16.5
- 7 ANSI Cl 600..1500 Sch.80 butt weld
- 8 DIN PN250 butt weld
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 2 Inconel718, -200...+400oC/-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 6 Titanium, -50...+400oC / -60...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test

- S marine certificate
- U Verified + cleaned from oil+grease
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73F2H, DN200 8"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73F2H-
50105031
SPK: DBA



Prowirl 73F2H, DN200 8"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- A PN10, flange EN1092-1-B1 (DIN2501)
- B PN16, flange EN1092-1-B1 (DIN2501)
- D PN25, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 2 Inconel718, -200...+400oC
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone

- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS CI,I,II,III Div.1,2/CSA CI.I,II,III Div.1,2; CI.I zone 0
- P FM XP CI.I Div.1/CSA CI.I Div.1, A-G; CI.II;CI.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency

- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73F1F, DN150 6"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73F1F-
50105030

SPK: DBA



Prowirl 73F1F, DN150 6"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- B PN16, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- G PN63, flange EN1092-1-B2 (DIN2501)
- H PN100, flange EN1092-1-B2 (DIN2501)
- J PN160, flange DIN2501, DIN2526E
- C PN16 groove, flange EN1092-1-D (DIN2512N)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- P Cl.600 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 4 40K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 2 Inconel718, -200...+400oC
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration

- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73F1H, DN100 4"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

**73F1H-
50105029**
SPK: DBA



Prowirl 73F1H, DN100 4"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- B PN16, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- G PN63, flange EN1092-1-B2 (DIN2501)
- H PN100, flange EN1092-1-B2 (DIN2501)
- J PN160, flange DIN2501, DIN2526E
- C PN16 groove, flange EN1092-1-D (DIN2512N)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- P Cl.600 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 4 40K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC /-330...+750oF
- 2 Inconel718, -200...+400oC
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system

- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73F80, DN80 3"

2-wire mass flowmeter using the vortex principle for e.g. sat.steam or liquids. Pressure compensation of gases and superheated-steam:
 - PA/FF: Cerabar S
 - HART: 2x RN221N and Cerabar M/S
 Cerabar-M PM+4+-----+H/J9 9...TSPSC2821
 or Cerabar S PM+7+--+A/B/C+-----+J.

**73F80-
50105028**
SPK: DBA



Prowirl 73F80, DN80 3"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- G PN63, flange EN1092-1-B2 (DIN2501)
- H PN100, flange EN1092-1-B2 (DIN2501)

- J PN160, flange DIN2501, DIN2526E
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- P Cl.600 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 4 40K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC /-330...+750oF
- 2 Inconel718, -200...+400oC
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X

- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system

- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system

9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer

- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer

- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72FRJ, DN50 2" > DN40 1 1/2"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72FRJ-
71027579
 SPK: DBA



Prowirl 72FRJ, DN50 2" > DN40 1 1/2"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEx Z0 Ex ia IIC Z= Zone

- 2 ATEX II1/2G+IECEEx Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEEx Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEEx Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEEx Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEEx Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEEx Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

2 Bus address, see additional spec.

Prowirl 73F40, DN40 1 1/2"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73F40-
50105026

SPK: DBA



Prowirl 73F40, DN40 1 1/2"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- H PN100, flange EN1092-1-B2 (DIN2501)
- J PN160, flange DIN2501, DIN2526E
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- P Cl.600 RF Sch.80, flange ANSI B16.5
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 4 40K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 2 Inconel718, -200...+400oC
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III

- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer

- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73F2F, DN250 10"

Vortex flow meter

For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73F2F-**50105073**

SPK: DBA



Prowirl 73F2F, DN250 10"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- A PN10, flange EN1092-1-B1 (DIN2501)
- B PN16, flange EN1092-1-B1 (DIN2501)
- D PN25, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC /-330...+750oF
- 2 Inconel718, -200...+400oC
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer

- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73F15, DN15 1/2"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73F15-
50105024
SPK: DBA



Prowirl 73F15, DN15 1/2"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- J PN160, flange DIN2501, DIN2526E
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- P Cl.600 RF Sch.80, flange ANSI B16.5
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 4 40K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 2 Inconel718, -200...+400oC
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- S marine certificate
- U Verified + cleaned from oil+grease
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART

- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72F3H, DN300 12"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72F3H-
50102049
 SPK: DBA



Prowirl 72F3H, DN300 12"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- A PN10, flange EN1092-1-B1 (DIN2501)
- B PN16, flange EN1092-1-B1 (DIN2501)
- D PN25, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC / -40...+500oF
- 1 High/low temp., 316L, -200...+400oC / -330...+750oF
- 2 Inconel718, -200...+400oC / -330...+750oF
- 3 Alloy C-22, -200...+400oC / -330...+750oF
- 6 Titanium, -50...+400oC / -60...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC / -330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval

- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72F2F, DN250 10"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72F2F-
50102048
 SPK: DBA



Prowirl 72F2F, DN250 10"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- A PN10, flange EN1092-1-B1 (DIN2501)
- B PN16, flange EN1092-1-B1 (DIN2501)
- D PN25, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC / -40...+500oF
- 1 High/low temp., 316L, -200...+400oC / -330...+750oF
- 2 Inconel718, -200...+400oC / -330...+750oF
- 3 Alloy C-22, -200...+400oC / -330...+750oF
- 6 Titanium, -50...+400oC / -60...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC / -330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72F2H, DN200 8"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72F2H-
50102047
 SPK: DBA



Prowirl 72F2H, DN200 8"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- A PN10, flange EN1092-1-B1 (DIN2501)
- B PN16, flange EN1092-1-B1 (DIN2501)
- D PN25, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 2 Inconel718, -200...+400oC/-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 6 Titanium, -50...+400oC / -60...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone

- 2 ATEX II1/2G+IECEEx Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEEx Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEEx Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEEx Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEEx Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEEx Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

2 Bus address, see additional spec.

Prowirl 72F1F, DN150 6"

Vortex flowmeter
Universal measurement of the
volume flow of gases, steam and liquids
Flanged version, 2-wire technology
One sensor for all line sizes
Life-time calibration ensures high
plant availability
Low cost of ownership due to
maintenance-free mechanical design
Mass balanced sensor ensures vibration
immunity and thus a reliable measurement

72F1F-
50102046
SPK: DBA



Prowirl 72F1F, DN150 6"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- C Alloy C-22 -40...+260oC / -40...+500oF
- T Stainl. steel 316Ti/316L -50...+400oC /-60...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- B PN16, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- G PN63, flange EN1092-1-B2 (DIN2501)
- H PN100, flange EN1092-1-B2 (DIN2501)
- J PN160, flange DIN2501, DIN2526E
- C PN16 groove, flange EN1092-1-D (DIN2512N)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- P Cl.600 RF Sch.80, flange ANSI B16.5
- R Cl.900 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 4 40K Sch.80, flange JIS B2220
- 5 PN250, flange DIN2501, DIN2526E
- 6 Cl.1500 RF Sch.80, flange ANSI B16.5
- 7 ANSI Cl 600..1500 Sch.80 butt weld
- 8 DIN PN250 butt weld
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 2 Inconel718, -200...+400oC/-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 6 Titanium, -50...+400oC / -60...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20

L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72F1H, DN100 4"

Vortex flowmeter
Universal measurement of the
volume flow of gases, steam and liquids
Flanged version, 2-wire technology
One sensor for all line sizes
Life-time calibration ensures high
plant availability
Low cost of ownership due to
maintenance-free mechanical design
Mass balanced sensor ensures vibration
immunity and thus a reliable measurement

72F1H-
50102045
SPK: DBA



Prowirl 72F1H, DN100 4"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- C Alloy C-22 -40...+260oC / -40...+500oF
- T Stainl. steel 316Ti/316L -50...+400oC /-60...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- B PN16, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- G PN63, flange EN1092-1-B2 (DIN2501)
- H PN100, flange EN1092-1-B2 (DIN2501)
- J PN160, flange DIN2501, DIN2526E
- C PN16 groove, flange EN1092-1-D (DIN2512N)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- P Cl.600 RF Sch.80, flange ANSI B16.5
- R Cl.900 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 4 40K Sch.80, flange JIS B2220
- 5 PN250, flange DIN2501, DIN2526E
- 6 Cl.1500 RF Sch.80, flange ANSI B16.5
- 7 ANSI Cl 600..1500 Sch.80 butt weld
- 8 DIN PN250 butt weld

- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC / -40...+500oF
- 1 High/low temp., 316L, -200...+400oC / -330...+750oF
- 2 Inconel718, -200...+400oC / -330...+750oF
- 3 Alloy C-22, -200...+400oC / -330...+750oF
- 6 Titanium, -50...+400oC / -60...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC / -330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system

- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72F80, DN80 3"

Vortex flowmeter
Universal measurement of the volume flow of gases, steam and liquids
Flanged version, 2-wire technology
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

72F80-
50102044
SPK: DBA



Prowirl 72F80, DN80 3"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC / -330...+750oF
- C Alloy C-22 -40...+260oC / -40...+500oF
- T Stainl. steel 316Ti/316L -50...+400oC / -60...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- G PN63, flange EN1092-1-B2 (DIN2501)

- H PN100, flange EN1092-1-B2 (DIN2501)
- J PN160, flange DIN2501, DIN2526E
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- P Cl.600 RF Sch.80, flange ANSI B16.5
- R Cl.900 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 4 40K Sch.80, flange JIS B2220
- 5 PN250, flange DIN2501, DIN2526E
- 6 Cl.1500 RF Sch.80, flange ANSI B16.5
- 7 ANSI Cl 600..1500 Sch.80 butt weld
- 8 DIN PN250 butt weld
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC / -40...+500oF
- 1 High/low temp., 316L, -200...+400oC / -330...+750oF
- 2 Inconel718, -200...+400oC / -330...+750oF
- 3 Alloy C-22, -200...+400oC / -330...+750oF
- 6 Titanium, -50...+400oC / -60...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC / -330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone

- G ATEX II1/2GD+IECEx Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system

- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system

- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72F50, DN50 2"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72F50-
50102043
 SPK: DBA



Prowirl 72F50, DN50 2"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- C Alloy C-22 -40...+260oC / -40...+500oF
- T Stainl. steel 316Ti/316L -50...+400oC /-60...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- G PN63, flange EN1092-1-B2 (DIN2501)
- H PN100, flange EN1092-1-B2 (DIN2501)
- J PN160, flange DIN2501, DIN2526E
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- P Cl.600 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 4 40K Sch.80, flange JIS B2220
- 5 PN250, flange DIN2501, DIN2526E
- 6 Cl.1500 RF Sch.80, flange ANSI B16.5
- 7 ANSI Cl 600..1500 Sch.80 butt weld
- 8 DIN PN250 butt weld
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 2 Inconel718, -200...+400oC/-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 6 Titanium, -50...+400oC / -60...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version

- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS CI,I,II,III Div.1,2/CSA CI.I,II,III Div.1,2; CI.I zone 0
- P FM XP CI.I Div.1/CSA CI.I Div.1, A-G; CI.II;CI.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72F40, DN40 1 1/2"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72F40-
50102042
 SPK: DBA



Prowirl 72F40, DN40 1 1/2"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- C Alloy C-22 -40...+260oC / -40...+500oF
- T Stainl. steel 316Ti/316L -50...+400oC /-60...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- H PN100, flange EN1092-1-B2 (DIN2501)
- J PN160, flange DIN2501, DIN2526E
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- P Cl.600 RF Sch.80, flange ANSI B16.5
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 4 40K Sch.80, flange JIS B2220
- 5 PN250, flange DIN2501, DIN2526E
- 6 Cl.1500 RF Sch.80, flange ANSI B16.5
- 7 ANSI Cl 600..1500 Sch.80 butt weld
- 8 DIN PN250 butt weld
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 2 Inconel718, -200...+400oC/-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 6 Titanium, -50...+400oC / -60...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF

- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC / -330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72F25, DN25 1"

Vortex flowmeter
 Universal measurement of the volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high plant availability
 Low cost of ownership due to maintenance-free mechanical design
 Mass balanced sensor ensures vibration immunity and thus a reliable measurement

72F25-
50102041
 SPK: DBA



Prowirl 72F25, DN25 1"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- C Alloy C-22 -40...+260oC / -40...+500oF
- T Stainl. steel 316Ti/316L -50...+400oC /-60...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- H PN100, flange EN1092-1-B2 (DIN2501)
- J PN160, flange DIN2501, DIN2526E
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- P Cl.600 RF Sch.80, flange ANSI B16.5
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 4 40K Sch.80, flange JIS B2220
- 5 PN250, flange DIN2501, DIN2526E
- 6 Cl.1500 RF Sch.80, flange ANSI B16.5

- 7 ANSI CI 600..1500 Sch.80 butt weld
- 8 DIN PN250 butt weld
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 2 Inconel718, -200...+400oC/-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 6 Titanium, -50...+400oC / -60...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- S marine certificate
- U Verified + cleaned from oil+grease
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)

- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73F50, DN50 2"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

Prowirl 73F50, DN50 2"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- G PN63, flange EN1092-1-B2 (DIN2501)
- H PN100, flange EN1092-1-B2 (DIN2501)
- J PN160, flange DIN2501, DIN2526E
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- P Cl.600 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 4 40K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

**73F50-
50105027**

SPK: DBA



DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC /-330...+750oF
- 2 Inconel718, -200...+400oC
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system

- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73FRF, DN25 1" > DN15 1/2"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

**73FRF-
71027591**
SPK: DBA



Prowirl 73FRF, DN25 1" > DN15 1/2"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- S marine certificate
- U Verified + cleaned from oil+grease
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics, natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73FRM, DN100 4" > DN80 3"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

**73FRM-
71027595**
SPK: DBA



Prowirl 73FRM, DN100 4" > DN80 3"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- B PN16, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- C PN16 groove, flange EN1092-1-D (DIN2512N)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5

- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system

- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system

9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73FRN, DN150 6" > DN100 4"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

**73FRN-
71027596**
SPK: DBA



Prowirl 73FRN, DN150 6" > DN100 4"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- B PN16, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- C PN16 groove, flange EN1092-1-D (DIN2512N)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED

- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system

- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system

- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system

- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system

- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system

- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system

- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer

- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer

- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73FRR, DN200 8" > DN150 6"

Vortex flow meter

For saturated steam and other mass flow applications of gases and liquids

Flanged version, 2-wire technology

Implemented Gas and Energy calculator

One sensor for all line sizes

Life-time calibration ensures high plant availability

Low cost of ownership due to maintenance-free mechanical design

Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73FRR-**71027597**

SPK: DBA



Prowirl 73FRR, DN200 8" > DN150 6"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- A PN10, flange EN1092-1-B1 (DIN2501)
- B PN16, flange EN1092-1-B1 (DIN2501)
- D PN25, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA

- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS CI,I,II,III Div.1,2/CSA CI.I,II,III Div.1,2; CI.I zone 0
- P FM XP CI.I Div.1/CSA CI.I Div.1, A-G; CI.II;CI.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA

- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73FSF, DN40 1 1/2" >>DN15 1/2"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73FSF-
71027598

SPK: DBA



Prowirl 73FSF, DN40 1 1/2" >>DN15 1/2"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease

- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

2 Bus address, see additional spec.

Prowirl 73FSG, DN50 2" >>DN25 1"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73FSG-
71027599
SPK: DBA



Prowirl 73FSG, DN50 2" >>DN25 1"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73FSJ, DN80 3" >>DN40 1 1/2"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73FSJ-
71027600
SPK: DBA



Prowirl 73FSJ, DN80 3" >>DN40 1 1/2"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer

- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73FSK, DN100 4" >>DN50 2"

Vortex flow meter

For saturated steam and other mass flow applications of gases and liquids

Flanged version, 2-wire technology

Implemented Gas and Energy calculator

One sensor for all line sizes

Life-time calibration ensures high plant availability

Low cost of ownership due to maintenance-free mechanical design

Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73FSK-**71027601**

SPK: DBA



Prowirl 73FSK, DN100 4" >>DN50 2"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- B PN16, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- C PN16 groove, flange EN1092-1-D (DIN2512N)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration

9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics, natural gas ADD= additional adjustment for flow computer

9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73FSM, DN150 6" >>DN80 3"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

**73FSM-
71027602
SPK: DBA**



Prowirl 73FSM, DN150 6" >>DN80 3"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- B PN16, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- C PN16 groove, flange EN1092-1-D (DIN2512N)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF

- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS CI,I,II,III Div.1,2/CSA CI.I,II,III Div.1,2; CI.I zone 0
- P FM XP CI.I Div.1/CSA CI.I Div.1, A-G; CI.II;CI.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.

- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72FRK, DN80 3" > DN50 2"

Vortex flowmeter
Universal measurement of the volume flow of gases, steam and liquids
Flanged version, 2-wire technology
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

**72FRK-
71027580**

SPK: DBA



Prowirl 72FRK, DN80 3" > DN50 2"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220

- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC / -40...+500oF
- 1 High/low temp., 316L, -200...+400oC / -330...+750oF
- 3 Alloy C-22, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC / -330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS CI,I,II,III Div.1,2/CSA CI.I,II,III Div.1,2; CI.I zone 0
- P FM XP CI.I Div.1/CSA CI.I Div.1, A-G; CI.II;CI.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring

- system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73FSN, DN200 8" >>DN100 4"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73FSN-
71027603
SPK: DBA



Prowirl 73FSN, DN200 8" >>DN100 4"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- A PN10, flange EN1092-1-B1 (DIN2501)
- B PN16, flange EN1092-1-B1 (DIN2501)
- D PN25, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)

- K Cl.150 RF Sch.40, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double

- measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system

9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73FRK, DN80 3" > DN50 2"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

**73FRK-
71027594**

SPK: DBA



Prowirl 73FRK, DN80 3" > DN50 2"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X

- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system

- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system

- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system

- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system

- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system

- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system

- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer

- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer

- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73FRG, DN40 1 1/2" > DN25 1"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73FRG-
71027592
SPK: DBA



Prowirl 73FRG, DN40 1 1/2" > DN25 1"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA

- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72FSR, DN250 10" >>DN150 6"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72FSR-
71027590
 SPK: DBA



Prowirl 72FSR, DN250 10" >>DN150 6"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- A PN10, flange EN1092-1-B1 (DIN2501)
- B PN16, flange EN1092-1-B1 (DIN2501)
- D PN25, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area

- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS CI,I,II,III Div.1,2/CSA CI.I,II,III Div.1,2; CI.I zone 0
- P FM XP CI.I Div.1/CSA CI.I Div.1, A-G; CI.II;CI.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system

- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system

- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72FSN, DN200 8" >>DN100 4"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72FSN-
71027589
 SPK: DBA



Prowirl 72FSN, DN200 8" >>DN100 4"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- A PN10, flange EN1092-1-B1 (DIN2501)
- B PN16, flange EN1092-1-B1 (DIN2501)
- D PN25, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone

- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS CI,I,II,III Div.1,2/CSA CI.I,II,III Div.1,2; CI.I zone 0
- P FM XP CI.I Div.1/CSA CI.I Div.1, A-G; CI.II;CI.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72FSK, DN100 4" >>DN50 2"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72FSK-
71027587
 SPK: DBA



Prowirl 72FSK, DN100 4" >>DN50 2"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- B PN16, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- C PN16 groove, flange EN1092-1-D (DIN2512N)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease

- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA

- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72FSJ, DN80 3" >>DN40 1 1/2"

Vortex flowmeter
Universal measurement of the volume flow of gases, steam and liquids
Flanged version, 2-wire technology
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

72FSJ-
71027586

SPK: DBA



Prowirl 72FSJ, DN80 3" >>DN40 1 1/2"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC / -40...+500oF
- 1 High/low temp., 316L, -200...+400oC / -330...+750oF
- 3 Alloy C-22, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC / -330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III

- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72FRR, DN200 8" > DN150 6"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72FRR-
71027583
 SPK: DBA



Prowirl 72FRR, DN200 8" > DN150 6"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- A PN10, flange EN1092-1-B1 (DIN2501)
- B PN16, flange EN1092-1-B1 (DIN2501)
- D PN25, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC / -40...+500oF
- 1 High/low temp., 316L, -200...+400oC / -330...+750oF
- 3 Alloy C-22, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC / -330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval

- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.

- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72FSG, DN50 2" >>DN25 1"

Vortex flowmeter
Universal measurement of the
volume flow of gases, steam and liquids
Flanged version, 2-wire technology
One sensor for all line sizes
Life-time calibration ensures high
plant availability
Low cost of ownership due to
maintenance-free mechanical design
Mass balanced sensor ensures vibration
immunity and thus a reliable measurement

72FSG-
71027585

SPK: DBA



Prowirl 72FSG, DN50 2" >>DN25 1"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC / -40...+500oF
- 1 High/low temp., 316L, -200...+400oC / -330...+750oF
- 3 Alloy C-22, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC / -330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73FRJ, DN50 2" > DN40 1 1/2"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Flanged version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

**73FRJ-
71027593**

SPK: DBA



Prowirl 73FRJ, DN50 2" > DN40 1 1/2"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M/316L

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease

- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer

- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72FSF, DN40 1 1/2" >>DN15 1/2"

Vortex flowmeter
Universal measurement of the volume flow of gases, steam and liquids
Flanged version, 2-wire technology
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

72FSF-
71027584
SPK: DBA



Prowirl 72FSF, DN40 1 1/2" >>DN15 1/2"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- E PN40, flange EN1092-1-B1 (DIN2501)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72FRM, DN100 4" > DN80 3"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72FRM-
71027581
 SPK: DBA



Prowirl 72FRM, DN100 4" > DN80 3"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- B PN16, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- C PN16 groove, flange EN1092-1-D (DIN2512N)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III

- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72FSM, DN150 6" >>DN80 3"

Vortex flowmeter
 Universal measurement of the
 volume flow of gases, steam and liquids
 Flanged version, 2-wire technology
 One sensor for all line sizes
 Life-time calibration ensures high
 plant availability
 Low cost of ownership due to
 maintenance-free mechanical design
 Mass balanced sensor ensures vibration
 immunity and thus a reliable measurement

72FSM-
71027588
 SPK: DBA



Prowirl 72FSM, DN150 6" >>DN80 3"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
- 9 Special version, TSP-no. to be spec.

Process Connection:

- B PN16, flange EN1092-1-B1 (DIN2501)
- E PN40, flange EN1092-1-B1 (DIN2501)
- C PN16 groove, flange EN1092-1-D (DIN2512N)
- F PN40 groove, flange EN1092-1-D (DIN2512N)
- K Cl.150 RF Sch.40, flange ANSI B16.5
- L Cl.150 RF Sch.80, flange ANSI B16.5
- M Cl.300 RF Sch.40, flange ANSI B16.5
- N Cl.300 RF Sch.80, flange ANSI B16.5
- S 10K Sch.40, flange JIS B2220
- T 10K Sch.80, flange JIS B2220
- U 20K Sch.40, flange JIS B2220
- W 20K Sch.80, flange JIS B2220
- 9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration

- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
A Factory setup; basic version
B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
A 4-20mA SIL HART + Impulse, PFM
H PROFIBUS PA
K FOUNDATION Fieldbus
9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
2 Bus address, see additional spec.

Prowirl 72FRN, DN150 6" > DN100 4"

Vortex flowmeter
Universal measurement of the
volume flow of gases, steam and liquids
Flanged version, 2-wire technology
One sensor for all line sizes
Life-time calibration ensures high
plant availability
Low cost of ownership due to
maintenance-free mechanical design
Mass balanced sensor ensures vibration
immunity and thus a reliable measurement

**72FRN-
71027582**
SPK: DBA



Prowirl 72FRN, DN150 6" > DN100 4"

Measuring Tube Material:

- S Stainl. steel CF3M/316L, -200...+400oC /-330...+750oF
9 Special version, TSP-no. to be spec.

Process Connection:

- B PN16, flange EN1092-1-B1 (DIN2501)
E PN40, flange EN1092-1-B1 (DIN2501)
C PN16 groove, flange EN1092-1-D (DIN2512N)
F PN40 groove, flange EN1092-1-D (DIN2512N)
K Cl.150 RF Sch.40, flange ANSI B16.5
L Cl.150 RF Sch.80, flange ANSI B16.5
M Cl.300 RF Sch.40, flange ANSI B16.5
N Cl.300 RF Sch.80, flange ANSI B16.5
S 10K Sch.40, flange JIS B2220
T 10K Sch.80, flange JIS B2220
U 20K Sch.40, flange JIS B2220
W 20K Sch.80, flange JIS B2220
9 Special version, TSP-no. to be spec.

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
1 High/low temp., 316L, -200...+400oC /-330...+750oF
3 Alloy C-22, -200...+400oC/-330...+750oF
9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
A Graphite, -200...+400oC /-330...+750oF
B Viton, -15...+175oC / +5...+345oF
C Kalrez, -20...+275oC / -5...+527oF
D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
F Gylon (PTFE), -200...+260oC /-330...+500oF
G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 Pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X
- J Compact, Alu, Dualsens, IP67 NEMA4X, Dualsens=double measuring system
- K Remote, Dualsens, cable 10m/30ft, IP67 NEMA4X Dualsens=double measuring system
- L Remote, Dualsens, cable 30m/90ft, IP67 NEMA4X Dualsens=double measuring system
- Q Remote, Dualsens, cable armoured 10m/ 30ft, IP67 NEMA4X Dualsens=double measuring system
- R Remote, Dualsens, cable armoured 15m/ 50ft, IP67 NEMA4X Dualsens=double measuring system
- S Remote, Dualsens, cable armoured 20m/ 70ft, IP67 NEMA4X Dualsens=double measuring system
- T Remote, Dualsens, cable armoured 30m/ 90ft, IP67 NEMA4X Dualsens=double measuring system
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20

L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72W50, DN50 2"

Vortex flowmeter

For the universal measurement of the volume flow of gases, steam and liquids
Wafer version, 2-wire technology
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

72W50-

50102053

SPK: DBB



Prowirl 72W50, DN50 2"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M

Process Connection:

- 9 Special version, TSP-no. to be spec.
- D PN25, EN1092-1 (DIN 2501)
- E PN40, EN1092-1 (DIN 2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- S 10K Sch.40, JIS B2220
- U 20K Sch.40, JIS B2220

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC / -40...+500oF
- 1 High/low temp., 316L, -200...+400oC / -330...+750oF
- 3 Alloy C-22, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC / -330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.

- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1 / CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impuls (PFM)
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72W1F, DN150 6"

Vortex flowmeter

For the universal measurement of the volume flow of gases, steam and liquids
Wafer version, 2-wire technology
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

72W1F-**50102056**

SPK: DBB



Prowirl 72W1F, DN150 6"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M

Process Connection:

- 9 Special version, TSP-no. to be spec.
- A PN10, EN1092-1 (DIN2501)
- B PN16, EN1092-1 (DIN2501)
- D PN25, EN1092-1 (DIN 2501)
- E PN40, EN1092-1 (DIN 2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- S 10K Sch.40, JIS B2220
- U 20K Sch.40, JIS B2220

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF
- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test

- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1 / CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impuls (PFM)
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72W80, DN80 3"

Vortex flowmeter
For the universal measurement of the volume flow of gases, steam and liquids
Wafer version, 2-wire technology
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

72W80-
50102054

SPK: DBB



Prowirl 72W80, DN80 3"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M

Process Connection:

- 9 Special version, TSP-no. to be spec.
- D PN25, EN1092-1 (DIN 2501)
- E PN40, EN1092-1 (DIN 2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- S 10K Sch.40, JIS B2220
- U 20K Sch.40, JIS B2220

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC / -40...+500oF
- 1 High/low temp., 316L, -200...+400oC / -330...+750oF
- 3 Alloy C-22, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC / -330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone

- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1 / CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impuls (PFM)
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73W80, DN80 3"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Wafer version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73W80-
50106378
SPK: DBB



Prowirl 73W80, DN80 3"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M

Process Connection:

- 9 Special version, TSP-no. to be spec.
- D PN25, EN1092-1 (DIN 2501)
- E PN40, EN1092-1 (DIN 2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- S 10K Sch.40, JIS B2220
- U 20K Sch.40, JIS B2220

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area

- C ATEX II2G+IECEEx Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEEx Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEEx Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEEx Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS CI,I,II,III Div.1,2/CSA CI.I,II,III Div.1,2; CI.I zone 0
- P FM XP CI.I Div.1/CSA CI.I Div.1, A-G; CI.II;CI.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72W40, DN40 1 1/2"

Vortex flowmeter

For the universal measurement of the volume flow of gases, steam and liquids

Wafer version, 2-wire technology

One sensor for all line sizes

Life-time calibration ensures high plant availability

Low cost of ownership due to maintenance-free mechanical design

Mass balanced sensor ensures vibration immunity and thus a reliable measurement

72W40-**50102052**

SPK: DBB



Prowirl 72W40, DN40 1 1/2"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M

Process Connection:

- 9 Special version, TSP-no. to be spec.
- D PN25, EN1092-1 (DIN 2501)
- E PN40, EN1092-1 (DIN 2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- U 20K Sch.40, JIS B2220

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC / -40...+500oF
- 1 High/low temp., 316L, -200...+400oC / -330...+750oF
- 3 Alloy C-22, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC / -330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area

- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1 / CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impuls (PFM)
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72W25, DN25 1"

Vortex flowmeter
For the universal measurement of the volume flow of gases, steam and liquids
Wafer version, 2-wire technology
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

72W25-
50102051
SPK: DBB



Prowirl 72W25, DN25 1"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M

Process Connection:

- 9 Special version, TSP-no. to be spec.
- D PN25, EN1092-1 (DIN 2501)
- E PN40, EN1092-1 (DIN 2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- U 20K Sch.40, JIS B2220

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC / -40...+500oF
- 1 High/low temp., 316L, -200...+400oC / -330...+750oF
- 3 Alloy C-22, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC / -330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- S marine certificate
- U Verified + cleaned from oil+grease
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1 / CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X

- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impuls (PFM)
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72W1H, DN100 4"

Vortex flowmeter
For the universal measurement of the volume flow of gases, steam and liquids
Wafer version, 2-wire technology
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

Prowirl 72W1H, DN100 4"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M

Process Connection:

- 9 Special version, TSP-no. to be spec.
- A PN10, EN1092-1 (DIN2501)
- B PN16, EN1092-1 (DIN2501)
- D PN25, EN1092-1 (DIN 2501)
- E PN40, EN1092-1 (DIN 2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- S 10K Sch.40, JIS B2220
- U 20K Sch.40, JIS B2220

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC /-40...+500oF
- 1 High/low temp., 316L, -200...+400oC /-330...+750oF

72W1H-
50102055
SPK: DBB



- 3 Alloy C-22, -200...+400oC/-330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC /-330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC /-330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from oil+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1 / CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector

- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impuls (PFM)
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73W1H, DN100 4"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Wafer version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73W1H-
50106379
SPK: DBB



Prowirl 73W1H, DN100 4"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M

Process Connection:

- 9 Special version, TSP-no. to be spec.
- A PN10, EN1092-1 (DIN2501)
- B PN16, EN1092-1 (DIN2501)
- D PN25, EN1092-1 (DIN 2501)
- E PN40, EN1092-1 (DIN 2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- S 10K Sch.40, JIS B2220
- U 20K Sch.40, JIS B2220

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics

- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73W50, DN50 2"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Wafer version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

**73W50-
50106377**

SPK: DBB



Prowirl 73W50, DN50 2"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M

Process Connection:

- 9 Special version, TSP-no. to be spec.
- D PN25, EN1092-1 (DIN 2501)
- E PN40, EN1092-1 (DIN 2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- S 10K Sch.40, JIS B2220
- U 20K Sch.40, JIS B2220

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200..+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer

5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer

9 Special version, TSP-no. to be spec.

Output, Input:

W 4-20mA SIL HART

A 4-20mA SIL HART + frequency

H PROFIBUS PA

K FOUNDATION Fieldbus

9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

1 Tagging (TAG), see additional spec.

2 Bus address, see additional spec.

Prowirl 73W40, DN40 1 1/2"

Vortex flow meter

For saturated steam and other mass flow applications of gases and liquids

Wafer version, 2-wire technology

Implemented Gas and Energy calculator

One sensor for all line sizes

Life-time calibration ensures high plant availability

Low cost of ownership due to

maintenance-free mechanical design

Mass balanced sensor ensures vibration

immunity and thus a reliable measurement

73W40-

50106376

SPK: DBB



Prowirl 73W40, DN40 1 1/2"

Measuring Tube Material:

9 Special version, TSP-no. to be spec.

S Stainless steel CF3M

Process Connection:

9 Special version, TSP-no. to be spec.

D PN25, EN1092-1 (DIN 2501)

E PN40, EN1092-1 (DIN 2501)

K Cl.150 Sch.40, ANSI B16.5

M Cl.300 Sch.40, ANSI B16.5

U 20K Sch.40, JIS B2220

DSC Sensor:

4 High/low temp., 316L, -200...+400oC / -330...+750oF

9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

9 Special version, TSP-no. to be spec.

A Graphite, -200..+400oC / -330...+750oF

B Viton, -15...+175oC / +5...+345oF

C Kalrez, -20...+275oC / -5...+527oF

D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF

E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF

F Gylon (PTFE), -200...+260oC

G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

9 Special version, TSP-no. to be spec.

A 3-point

C 5-point

D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

1 Basic version

3 pressure test

4 Material + pressure test

5 CRN approval

8 CRN approval + material + pressure test

- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency

- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73W25, DN25 1"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Wafer version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73W25-
50106375

SPK: DBB



Prowirl 73W25, DN25 1"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M

Process Connection:

- 9 Special version, TSP-no. to be spec.
- D PN25, EN1092-1 (DIN 2501)
- E PN40, EN1092-1 (DIN 2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- U 20K Sch.40, JIS B2220

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- S marine certificate
- U Verified + cleaned from oil+grease
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone

- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS CI,I,II,III Div.1,2/CSA CI.I,II,III Div.1,2; CI.I zone 0
- P FM XP CI.I Div.1/CSA CI.I Div.1, A-G; CI.II;CI.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73W15, DN15 1/2"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Wafer version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

73W15-
50106374
SPK: DBB



Prowirl 73W15, DN15 1/2"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M

Process Connection:

- 9 Special version, TSP-no. to be spec.
- D PN25, EN1092-1 (DIN 2501)
- E PN40, EN1092-1 (DIN 2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- U 20K Sch.40, JIS B2220

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- S marine certificate
- U Verified + cleaned from oil+grease
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA

- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72W15, DN15 1/2"

Vortex flowmeter

For the universal measurement of the volume flow of gases, steam and liquids

Wafer version, 2-wire technology

One sensor for all line sizes

Life-time calibration ensures high plant availability

Low cost of ownership due to maintenance-free mechanical design

Mass balanced sensor ensures vibration immunity and thus a reliable measurement

72W15-**50102050**

SPK: DBB



Prowirl 72W15, DN15 1/2"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M

Process Connection:

- 9 Special version, TSP-no. to be spec.
- D PN25, EN1092-1 (DIN 2501)
- E PN40, EN1092-1 (DIN 2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- U 20K Sch.40, JIS B2220

DSC Sensor:

- 0 Basic version, 316L, -40...+260oC / -40...+500oF
- 1 High/low temp., 316L, -200...+400oC / -330...+750oF
- 3 Alloy C-22, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC / -330...+500oF
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- S marine certificate
- U Verified + cleaned from oil+grease
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone

- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1 / CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version
- B Customised; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impuls (PFM)
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 73W1F, DN150 6"

Vortex flow meter
For saturated steam and other mass flow applications of gases and liquids
Wafer version, 2-wire technology
Implemented Gas and Energy calculator
One sensor for all line sizes
Life-time calibration ensures high plant availability
Low cost of ownership due to maintenance-free mechanical design
Mass balanced sensor ensures vibration immunity and thus a reliable measurement

**73W1F-
50106380**
SPK: DBB



Prowirl 73W1F, DN150 6"

Measuring Tube Material:

- 9 Special version, TSP-no. to be spec.
- S Stainless steel CF3M

Process Connection:

- 9 Special version, TSP-no. to be spec.
- A PN10, EN1092-1 (DIN2501)
- B PN16, EN1092-1 (DIN2501)
- D PN25, EN1092-1 (DIN 2501)
- E PN40, EN1092-1 (DIN 2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- S 10K Sch.40, JIS B2220
- U 20K Sch.40, JIS B2220

DSC Sensor:

- 4 High/low temp., 316L, -200...+400oC / -330...+750oF
- 9 Special version, TSP-no. to be spec.

DSC Sensor Seal:

- 9 Special version, TSP-no. to be spec.
- A Graphite, -200...+400oC / -330...+750oF
- B Viton, -15...+175oC / +5...+345oF
- C Kalrez, -20...+275oC / -5...+527oF
- D Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- E Viton, cleaned from oil+grease, -15...+175oC / +5 to +345oF
- F Gylon (PTFE), -200...+260oC
- G Gylon, cleaned from oil+grease, -200...+260oC / -330...+500oF

Calibration:

- 9 Special version, TSP-no. to be spec.
- A 3-point
- C 5-point
- D 3-point, traceable, ISO/IEC 17025

Additional Test, certificate:

- 1 Basic version
- 3 pressure test
- 4 Material + pressure test
- 5 CRN approval
- 8 CRN approval + material + pressure test
- P PED Cat. III
- R PED Cat. III + material
- S marine certificate
- T marine certificate + material + PED Cat. III
- U Verified + cleaned from oil+grease
- W Verified + cleaned from+grease + PED Cat. III + material
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 7 NEPSI Ex nA
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1/CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- S NEPSI Ex ia IIC
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X

- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 w/o display; remote configuration
- 4 2-line display; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- F Factory setup; natural gas
- 2 Factory setup; diagnostics, natural gas
- 3 ADD customised; basic version ADD= additional adjustment for flow computer
- 4 ADD customised; advanced diagnostics ADD= additional adjustment for flow computer
- 6 ADD customised; natural gas ADD= additional adjustment for flow computer
- 5 ADD customised; diagnostics,natural gas ADD= additional adjustment for flow computer
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl, conversion kit

The conversion kit includes all necessary parts except the transmitter which must be ordered separately depending on the configuration of the conversion kit.
Serial number of device to be upgraded is necessary for ordering.

**DK7UP-
50102065**

SPK: DBS

Prowirl, conversion kit

Conversion:

- 11 77W/F > 72; standard
- 1A 77W/F > 72; high/low temp., Graphite
- 1B 77W/F > 72; high/low temp., Viton
- 1C 77W/F > 72; high/low temp., Kalrez
- 1F 77W/F > 72; high/low temp., Gylon
- 4A 77W/F > 73; Graphite
- 4B 77W/F > 73; Viton
- 4C 77W/F > 73; Kalrez
- 4F 77W/F > 73; Gylon

- 2A 77H > 72F; Graphite
- EA 72/73 compact > remote 10m/30ft, M20 Non-hazardous area
- EB 72/73 compact > remote 10m/30ft, NPT Non-hazardous area
- FA 72/73 compact > remote 30m/90ft, M20 Non-hazardous area
- FB 72/73 compact > remote 30m/90ft, NPT Non-hazardous area
- AA 72 > 73; Graphite
- AB 72 > 73; Viton
- AC 72 > 73; Kalrez
- AF 72 > 73; Gylon

Prowirl 72/73W, mounting set DN15 1/2"

Mounting set to ensure concentric installation of wafer meter body. Contains threaded bolts, nuts, washers and a pair of flange gaskets.

**DKW15-
50102057**
SPK: DBS

Prowirl 72/73W, mounting set DN15 1/2"

Process Connection:

- D PN25, EN1092-1 (DIN2501)
- E PN40, EN1092-1 (DIN2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- U 20K Sch.40, JIS B2220
- 9 Special version, TSP-no. to be spec.

Material:

- 0 24CrMo5 / AISI4140, T> -50oC/-60oF
- 1 A2-70
- 2 A2-70 + material certificate
- 9 Special version, TSP-no. to be spec.

Seal:

- 0 Graphite, -200...+400oC / -330...+750oF
- 1 Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- 2 Viton, cleaned from oil+grease, -15...+175oC / +5... +345oF
- 3 Viton, -15...+175oC / +5...+345oF
- 9 Special version, TSP-no. to be spec.

Prowirl 72/73W, mounting set DN25 1"

Mounting set to ensure concentric installation of wafer meter body. Contains threaded bolts, nuts, washers and a pair of flange gaskets.

**DKW25-
50102058**
SPK: DBS

Prowirl 72/73W, mounting set DN25 1"

Process Connection:

- D PN25, EN1092-1 (DIN2501)
- E PN40, EN1092-1 (DIN2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- U 20K Sch.40, JIS B2220
- 9 Special version, TSP-no. to be spec.

Material:

- 0 24CrMo5 / AISI4140, T> -50oC/-60oF

- 1 A2-70
- 2 A2-70 + material certificate
- 9 Special version, TSP-no. to be spec.

Seal:

- 0 Graphite, -200...+400oC / -330...+750oF
- 1 Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- 2 Viton, cleaned from oil+grease, -15...+175oC / +5... +345oF
- 3 Viton, -15...+175oC / +5...+345oF
- 9 Special version, TSP-no. to be spec.

Prowirl 72/73W, mounting set DN40 1 1/2"

Mounting set to ensure concentric installation of wafer meter body. Contains threaded bolts, nuts, washers and a pair of flange gaskets.

DKW40-
50102059
SPK: DBS

Prowirl 72/73W, mounting set DN40 1 1/2"

Process Connection:

- D PN25, EN1092-1 (DIN2501)
- E PN40, EN1092-1 (DIN2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- U 20K Sch.40, JIS B2220
- 9 Special version, TSP-no. to be spec.

Material:

- 0 24CrMo5 / AISI4140, T> -50oC/-60oF
- 1 A2-70
- 2 A2-70 + material certificate
- 9 Special version, TSP-no. to be spec.

Seal:

- 0 Graphite, -200...+400oC / -330...+750oF
- 1 Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- 2 Viton, cleaned from oil+grease, -15...+175oC / +5... +345oF
- 3 Viton, -15...+175oC / +5...+345oF
- 9 Special version, TSP-no. to be spec.

Prowirl 72/73W, mounting set DN50 2"

Mounting set to ensure concentric installation of wafer meter body. Contains threaded bolts, nuts, washers and a pair of flange gaskets.

DKW50-
50102060
SPK: DBS

Prowirl 72/73W, mounting set DN50 2"

Process Connection:

- D PN25, EN1092-1 (DIN2501)
- E PN40, EN1092-1 (DIN2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- S 10K Sch.40, JIS B2220
- U 20K Sch.40, JIS B2220
- 9 Special version, TSP-no. to be spec.

Material:

- 0 24CrMo5 / AISI4140, T> -50oC/-60oF
- 1 A2-70
- 2 A2-70 + material certificate
- 9 Special version, TSP-no. to be spec.

Seal:

- 0 Graphite, -200...+400oC / -330...+750oF
- 1 Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- 2 Viton, cleaned from oil+grease, -15...+175oC / +5... +345oF
- 3 Viton, -15...+175oC / +5...+345oF
- 9 Special version, TSP-no. to be spec.

Prowirl 72/73W, mounting set DN80 3"

Mounting set to ensure concentric installation of wafer meter body. Contains threaded bolts, nuts, washers and a pair of flange gaskets.

DKW80-
50102061
SPK: DBS

Prowirl 72/73W, mounting set DN80 3"

Process Connection:

- D PN25, EN1092-1 (DIN2501)
- E PN40, EN1092-1 (DIN2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- S 10K Sch.40, JIS B2220
- U 20K Sch.40, JIS B2220
- 9 Special version, TSP-no. to be spec.

Material:

- 0 24CrMo5 / AISI4140, T> -50oC/-60oF
- 1 A2-70
- 2 A2-70 + material certificate
- 9 Special version, TSP-no. to be spec.

Seal:

- 0 Graphite, -200...+400oC / -330...+750oF
- 1 Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- 2 Viton, cleaned from oil+grease, -15...+175oC / +5... +345oF
- 3 Viton, -15...+175oC / +5...+345oF
- 9 Special version, TSP-no. to be spec.

Prowirl 72/73W, mounting set DN100 4"

Mounting set to ensure concentric installation of wafer meter body. Contains threaded bolts, nuts, washers and a pair of flange gaskets.

DKW1H-
50102062
SPK: DBS

Prowirl 72/73W, mounting set DN100 4"

Process Connection:

- A PN10, EN1092-1 (DIN2501)
- B PN16, EN1092-1 (DIN2501)
- D PN25, EN1092-1 (DIN2501)
- E PN40, EN1092-1 (DIN2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5

- S 10K Sch.40, JIS B2220
- U 20K Sch.40, JIS B2220
- 9 Special version, TSP-no. to be spec.

Material:

- 0 24CrMo5 / AISI4140, T> -50oC/-60oF
- 1 A2-70
- 2 A2-70 + material certificate
- 9 Special version, TSP-no. to be spec.

Seal:

- 0 Graphite, -200...+400oC / -330...+750oF
- 1 Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- 2 Viton, cleaned from oil+grease, -15...+175oC / +5... +345oF
- 3 Viton, -15...+175oC / +5...+345oF
- 9 Special version, TSP-no. to be spec.

Plate conditioner 35 hole

-200oC...+400oC / -330...+750oF

DK7ST-**50102064**

SPK: DBS

Plate conditioner 35 hole

Pipe Diameter:

- 15 DN15 1/2"
- 25 DN25 1"
- 40 DN40 1-1/2"
- 50 DN50 2"
- 80 DN80 3"
- 1H DN100 4"
- 1F DN150 6"
- 2H DN200 8"
- 2F DN250 10"
- 3H DN300 12"

Process Connection:

- A PN10, EN1092-1 (DIN 2501)
- B PN16, EN1092-1 (DIN 2501)
- D PN25, EN1092-1 (DIN 2501)
- E PN40, EN1092-1 (DIN 2501)
- G PN63, EN1092-1 (DIN 2501)
- K Cl.150, ANSI B16.5
- M Cl.300, ANSI B16.5
- S 10K, JIS B2220
- U 20K, JIS B2220
- 4 40K, JIS B2220
- 9 Special version, TSP-no. to be spec.

Material:

- 0 316L
- 1 316L + material certificate
- 9 Special version, TSP-no. to be spec.

Prowirl 72/73W, mounting set DN150 6"

Mounting set to ensure concentric installation of wafer meter body. Contains threaded bolts, nuts, washers and a pair of flange gaskets.

DKW1F-
50102063
SPK: DBS

Prowirl 72/73W, mounting set DN150 6"

Process Connection:

- A PN10, EN1092-1 (DIN2501)
- B PN16, EN1092-1 (DIN2501)
- D PN25, EN1092-1 (DIN2501)
- E PN40, EN1092-1 (DIN2501)
- K Cl.150 Sch.40, ANSI B16.5
- M Cl.300 Sch.40, ANSI B16.5
- S 10K Sch.40, JIS B2220
- U 20K Sch.40, JIS B2220
- 9 Special version, TSP-no. to be spec.

Material:

- 0 24CrMo5 / AISI4140, T> -50oC/-60oF
- 1 A2-70
- 2 A2-70 + material certificate
- 9 Special version, TSP-no. to be spec.

Seal:

- 0 Graphite, -200...+400oC / -330...+750oF
- 1 Graphite, cleaned from oil+grease, -200...+400oC / -330...+750oF
- 2 Viton, cleaned from oil+grease, -15...+175oC / +5... +345oF
- 3 Viton, -15...+175oC / +5...+345oF
- 9 Special version, TSP-no. to be spec.

Prowirl 73, transmitter

Not suitable for sensors according to PED 97/23/EC

73XXX-
50105034
SPK: DBW

Prowirl 73, transmitter

Sensor:

XXX 73F, 73W

Version:

XX Transmitter only

Additional Test:

- 1 Basic version
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone

- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1 / CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (Ex d: thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 W/o display; remote configuration
- 4 2-line; push button, HART
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- A Factory setup; basic version
- E Factory setup; advanced diagnostics
- 2 Factory setup; diagnostics, NX-19= natural gas equation
- 9 Special version, TSP-no. to be spec.

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + frequency
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.

Prowirl 72, transmitter

Not suitable for sensors according to
PED 97/23/EC

72XXX-**50102066**

SPK: DBW

Prowirl 72, transmitter

Sensor:

XXX 72F, 72W

Version:

XX Transmitter only

Additional Test:

- 1 Basic version
- 9 Special version, TSP-no. to be spec.

Approval:

- 1 ATEX II1G+IECEX Z0 Ex ia IIC Z= Zone
- 2 ATEX II1/2G+IECEX Z0/1 Ex ia IIC Z= Zone
- 3 ATEX II1/2G+IECEX Z0/1 Ex d(ia) IIC Z= Zone
- 9 Special version, TSP-no. to be spec.
- A Non-hazardous area
- C ATEX II2G+IECEX Z1 Ex d(ia) IIC Z= Zone
- D ATEX II2G+IECEX Z1 Ex ia IIC Z= Zone
- F ATEX II1/2GD+IECEX Z0/1,21 Ex d(ia) IIC DIP A21 Z=Zone
- G ATEX II1/2GD+IECEX Z0/1,21 Ex ia IIC DIP A21 Z=Zone
- H ATEX II 3G EEx nA
- N FM IS Cl.I,II,III Div.1,2/CSA Cl.I,II,III Div.1,2; Cl.I zone 0
- P FM XP Cl.I Div.1 / CSA Cl.I Div.1, A-G; Cl.II;Cl.III, FACTORY SEALED
- U TIIS Ex d (ia) IIC T4
- W TIIS Ex d (ia) IIC T1

Version:

- 9 Special version, TSP-no. to be spec.
- A Compact, Alu, IP67/ NEMA4X
- E Remote, cable 10m/30ft, IP67 NEMA4X
- F Remote, cable 30m/90ft, IP67 NEMA4X
- M Remote, cable armoured 10m/30ft, IP67 NEMA4X
- N Remote, cable armoured 15m/50ft, IP67 NEMA4X
- O Remote, cable armoured 20m/70ft, IP67 NEMA4X
- P Remote, cable armoured 30m/90ft, IP67 NEMA4X

Cable Entry:

- 9 Special version, TSP-no. to be spec.
- A Gland M20 (EEx d> thread M20)
- B Thread NPT 1/2
- C Thread G 1/2
- D Gland M20 x 1.5
- F Gland G 1/2", Ex d Shimada
- J Bus connector
- K Bus connector + gland M20
- L Bus connector + thread NPT 1/2

Display; Operating:

- 0 W/o display; remote configuration
- 4 2-line; push button, Hart
- 6 2-line display; PA, FF, remote configuration
- 9 Special version, TSP-no. to be spec.

Adjustment; Software Feature:

- 9 Special version, TSP-no. to be spec.
- A Factory setup; basic version

Output, Input:

- W 4-20mA SIL HART
- A 4-20mA SIL HART + Impulse, PFM
- H PROFIBUS PA
- K FOUNDATION Fieldbus
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
- 2 Bus address, see additional spec.