
Tankvision Field Link NXA30

System Component: Tank Gauging.
Protocol conversion.

Application: Communication
protocols conversion, remote
display.

Protocol conversion in real time,
gauge command support.

:: Seamless integration of different
vendor gauges into one
Tank Gauging System.
:: Upgrades of sites gradual.

NXA30-

71115426

SPK: NFI

Tankvision Field Link NXA30

Approval:

AA Non-hazardous area

Version:

FC Protocol conversion, loop

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

Housing:

D DIN Rail

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

Field Input:

OE xxx x Enraf GPU/BPM

OX xxx x Saab TRL2

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

Field Output:

T5 Modbus RTU RS485

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

Tankvision Professional NXA85

System Component: Tank Gauging.
Calculation, Monitoring.

Up to 400 tanks

Application: system architecture,
loops + protocols multiple,
customization.

Inventory calculations acc. API/ASTM.

Web server: Multi-user interface.

Archiving + reporting.

Connection > Tankvision Multi Scan.

:: High flexibility through a maximum
choice on interfaces .

:: Easiest adaption to user specific
requirements.

NXA85-

71114130

SPK: NFI

Tankvision Professional NXA85

Version:

A Stand alone

S Server

Measuring:

1 <= 10 tanks

2 <= 30 tanks

3 <= 50 tanks

4 <= 100 tanks

5 > 100 tanks

Operation Language:

AA English

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

>>Application Package:

EA Product movements

EB Backup Scheduler

- EC SCADA run time license
- ED SCADA design time licene
- EE Redundancy support
- EY Special version, TSP-no. to be spec.

>Application Package Client:

- E1 xxx x Client

>Input Multi Scan:

- MC xxx x Multi Scan

>Input Modbus:

- M4 xxx x Modbus

>Input Whessoe WM550:

- M1 xxx x Whessoe WM550

>Input Enraf CIU 858 GPU/RS232:

- MN xxx x Enraf CIU 858 GPU/RS232

>Input Enraf CIU Prime GPU/RS232:

- MP xxx x Enraf CIU Prime GPU/RS232

>Input Saab FCU2160:

- MX xxx x Saab FCU 2160

>Input OPC Client:

- NF xxx x OPC Client

>Input Special Version:

- N9 Special version, TSP-no. to be spec.

>Output Modbus RTU:

- R4 xxx x Modbus RTU

>Output Modbus TCP:

- RJ xxx x Modbus TCP

>Output Special Version:

- S9 Special version, TSP-no. to be spec.

>OPC Server (Ethernet) Output:

- VA Data Access 1x connection
- VB Data Access 2-5x connection concurrent
- VC Data Access >5x connection concurrent

>Web Server Output:

- WB 2-5x connection concurrent
- WC 6-10x connection concurrent
- WD 11-15x connection concurrent
- WE >15x connection concurrent

Tankvision Host Link NXA822

Transmits data to other host units like PLC or DCS systems.
 Connects via Ethernet up to 15 NXA820/NXA821.

**NXA822-
 71025617**
 SPK: NFI



Tankvision Host Link NXA822

Approval:

- A Non-hazardous area

Communication; Output:

- 1 MODBUS serial; TCP/IP, Entis+ slave interface
- 9 Special version, TSP-no. to be spec.

Power Supply:

- 1 90-250VAC 50/60Hz
- 2 10.5-32VDC

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

Local Operation:

1 status display
 9 Special version, TSP-no. to be spec.

Operation Language:

A English
 Y Special version, TSP-no. to be spec.

Housing:

1 DIN rail mounting PBT, IP20
 9 Special version, TSP-no. to be spec.

Redundancy:

1 w/o
 9 Special version, TSP-no. to be spec.

Custody Transfer Approval:

0 not selected
 9 Special version, TSP-no. to be spec.

Additional Option:

A Basic version
 Y Special version, TSP-no. to be spec.

Tankvision Data Concentrator NXA821

Connects up to 225 tanks or max 15 NXA820 and supports product sorting and summarizing via a built-in HTML user Interface, standby redundancy.

**NXA821-
 71025616**

SPK: NFI



Tankvision Data Concentrator NXA821

Approval:

A Non-hazardous area

Power Supply:

1 90-250VAC 50/60Hz
 2 10.5-32VDC
 9 Special version, TSP-no. to be spec.

Data Archive Memory Size:

D 1GB
 Y Special version, TSP-no. to be spec.

Local Operation:

1 status display
 9 Special version, TSP-no. to be spec.

Operation Language:

A English
 Y Special version, TSP-no. to be spec.

Housing:

1 DIN rail mounting PBT, IP20
 9 Special version, TSP-no. to be spec.

Redundancy:

1 w/o
 9 Special version, TSP-no. to be spec.

Custody Transfer Approval:

0 not selected
 1 NMI type approval
 7 PTB type approval
 9 Special version, TSP-no. to be spec.

Additional Option:

- A Basic version
- P Printer port, serial, W+M approved
- Y Special version, TSP-no. to be spec.

Tankvision Tank Scanner NXA820

Connects to a single field loop with tank gauging instruments.
It polls instruments on one field loop and provides measured data on an Ethernet port for other Tankvision units.
Configuration and visualization via built-in HTML based user interface.
Connects up to 15 tanks.

NXA820-
71025615
SPK: NFI



Tankvision Tank Scanner NXA820

Approval:

- A Non-hazardous area

Field Communication; Input:

- 8 Sakura V1 protocol; max 10 instruments
- 1 Whessoematic 550; max 15 instruments
- 4 MODBUS EIA485 master; max 15 instruments
- Y Special version, TSP-no. to be spec.

Power Supply:

- 1 90-250VAC 50/60Hz
- 2 10.5-32VDC
- 9 Special version, TSP-no. to be spec.

Inventory Calculation:

- 1 Oil+gas
- 9 Special version, TSP-no. to be spec.

Data Archive Memory Size:

- D 1GB
- Y Special version, TSP-no. to be spec.

Local Operation:

- 1 status display
- 9 Special version, TSP-no. to be spec.

Operation Language:

- A English
- Y Special version, TSP-no. to be spec.

Housing:

- 1 DIN rail mounting PBT, IP20
- 9 Special version, TSP-no. to be spec.

Redundancy:

- 1 w/o
- 9 Special version, TSP-no. to be spec.

Custody Transfer Approval:

- 0 not selected
- 1 NMI type approval
- 7 PTB type approval
- 9 Special version, TSP-no. to be spec.

Additional Option:

- A Basic version
- Y Special version, TSP-no. to be spec.

Tankvision Multi Scan NXA83

System Component: Tank Gauging.
Data collection, Calculation,
Monitoring.

Up to 250 tanks.

Application: system architecture mixed,
Fieldbus loops + protocols multiple.

Inventory calculations acc. API/ASTM.

Web server: multi-user interface,
operating system independant.

:: Stand-alone/integrated

into larger system.

:: Upgrades of sites gradual.

NXA83-

71115427

SPK: NFI

Tankvision Multi Scan NXA83

Approval:

AA Non-hazardous area

Version:

A Stand alone

E Redundancy support

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

Housing:

H Wall mounted

R 19" Rack Montage - 8 channels

T 19" Rack Montage - 16 channels

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

Operation Language:

AA English

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

Field Protocol (input 1):

OH xxx x HART

O5 xxx x Modbus RTU RS485

O1 xxx x Whessoe WM550

OE xxx x Enraf GPU/BPM

OX xxx x Saab TRL2

PD xxx x Scientific Instruments SI6290

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

>Input HART:

OH xxx x HART

>Input Modbus RTU RS485:

O5 xxx x Modbus RTU RS485

>Input Whessoe WM550:

O1 xxx x Whessoe WM550

>Input Enraf GPU/BPM:

OE xxx x Enraf GPU/BPM

>Input Saab TRL2:

OX xxx x Saab TRL2

>Input Scientific Instruments:

PD xxx x Scientific Instruments SI6290

>Input Special Version:

O9 Special version, TSP-no. to be spec.

>Output Multi Scan RS232:

TC xxx x Multi Scan RS232

>Output Multi Scan RS485:

TD xxx x Multi Scan RS485

>Output Multi Scan TCP:

TF xxx x Multi Scan Ethernet TCP

>Output Modbus RTU RS232:

T4 xxx x Modbus RTU RS232

>Output Modbus RTU RS485:

T5 xxx x Modbus RTU RS485

>Output Modbus TCP:

TJ xxx x Modbus TCP

>Output Special Version:

T9 Special version, TSP-no. to be spec.

>OPC Server (Ethernet) Output:

- VA Data Access 1x connection
- VB Data Access 2-5x connection concurrent
- VC Data Access >5x connection concurrent

>>Hardware Option:

- XA Touch screen
- X9 Special version, TSP-no. to be spec.

Proservo NMS7 (Sanitary)

Level gauge based on servo principle.
For operation in process + storage tanks, beverage, food stuff liquid measurement.

**NMS7-
52005626**

SPK: NSA



Proservo NMS7 (Sanitary)

Approval:

- 0 Weather proof, IP67 NEMA4X
- 1 TIIS Ex d IIB T4
- 9 Special version, TSP-no. to be spec.

Application:

- A Liquid level
- B Liquid level, I/F level, density
- Y Special version, TSP-no. to be spec.

Output 1:

- F Not selected
- A 2-way 2-wire (V1 protocol)
- B 2-way 2-wire (BBB protocol)
- C 2-way 2-wire (MIC, RS232C protocol)
- D 2-way 2-wire (MIC protocol)
- J 2-way 2-wire (MDP protocol)
- G 4-20mA HART active
- H 4-20mA HART passive
- L Whessmatic 550, overvoltage protection
- M Mark Space
- N Enraf BPM
- P Modbus RS485
- Y Special version, TSP-no. to be spec.

Output 2:

- 0 Not selected
- 1 4x relay SPST
- 2 2x 4-20mA
- 3 4x relay SPST, 2x 4-20mA
- 4 2x relay SPST, overflow prevention
- 9 Special version, TSP-no. to be spec.

Input:

- 0 HART (NMT5xx, NRF560, pressure transmitter)
- 1 1x spot temperature Pt100, HART (NMT5xx, NRF560, pressure transmitter)
- 2 2x operation contact, HART (NMT5xx, NRF560, pressure transmitter)
- 3 1x spot temperature Pt100, 2x operation contact, HART (NMT5xx, NRF560, pressure transmitter)

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

Measuring Range; Wire:

B 0-16m; SUS316, 0.2mm

D 0-16m; PFA>SUS316, 0.4mm

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

Cable Entry:

A 4x thread G1/2

B 4x thread G3/4

C 4x thread NPT1/2

D 4x thread NPT3/4

G 4x thread M20

H 4x thread M25

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

Process Connection:

A 10K 80A RF, SUS304 flange JIS B2220

B 10K 80A FF, SUS304 flange JIS B2220

C 3" 150lbs RF, SUS304 flange ANSI B16.5

D DN80 PN10 B1, SUS304 flange EN1092-1 (DIN2527 B)

E 80A 150lbs RF, SUS304 flange JPI 7S-15

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

Power Supply:

0 85-264VAC, 50/60Hz

1 20-62VDC, 20-55VAC, 50/60Hz

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

Displacer:

A Cylindrical 50mm, SUS316 polished

B Cylindrical 40mm, SUS316 polished

C Cylindrical 30mm, SUS316 polished

D Cylindrical 50mm, PTFE

E Cylindrical 40mm, PTFE

F Cylindrical 30mm, PTFE

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

O-ring; Drum Housing Inner Finish:

0 NBR; milled

1 Silicone rubber; polished

2 FKM; not selected

5 Silicone rubber; FEP coated

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

Nozzle:

A Rc3/8, cleaning

B NPT3/8, cleaning

C G3/8, cleaning

D Rc3/8, gas purging

E NPT3/8, gas purging

F G3/8, gas purging

G Rc3/8, cleaning, gas purging

H NPT3/8, cleaning, gas purging

J G3/8, cleaning, gas purging

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

Additional Option:

A Not selected

B Custody transfer seal, wire lock

C Cleaned from oil+grease

D Sunshade

E Cleaned from oil+grease, custody transfer seal, wire lock

F Sunshade, custody transfer seal, wire lock

G Sunshade, cleaned from oil+grease

H Sunshade, cleaned from oil+grease, custody transfer seal, wire lock

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

>>>Marking: (optional)

1 Tagging (TAG), see additional spec.

Proservo NMS5

For operation in storage tanks with liquids like oils, fuels, LPG etc. in hazardous areas.
Interface-level and density measurement optional.

NMS5-
017402-9000

SPK: NSA



Proservo NMS5

Drum Housing Pressure Rating; Material:

- 1 0... 200mbar/20kPa/2.9psi; Alu
- 2 0... 200mbar/20kPa/2.9psi; stainless steel
- 4 0... 5.88bar/588kPa/85.28psi; Alu
- 5 0... 5.88bar/588kPa/85.28psi; stainless steel
- 6 0... 24.5bar/2.45MPa/355.34psi; stainless steel
- 9 Special version, TSP-no. to be spec.

Approval:

- 0 Weather proof, IP67 NEMA4X
- 1 TIIS Ex d IIB T4
- 5 FM XP Cl. I Div.1 Gr.C-D
- N FM XP-AIS Cl.I Div.1 Gr.C-D
- 6 CSA Cl. I Div.1 Gr.C-D
- O CSA Ex d(ia) Cl. I Div.1 Gr.C-D
- G ATEX II 1/2G Ex d IIB T4, T3
- Q ATEX II 1/2G Ex d IIC T4, T3
- S ATEX II 1/2G Ex d IIB T4, T3, -40oC
- J ATEX II 1/2G Ex d (ia) IIB T4, T3
- U ATEX II 1/2G Ex d (ia) IIB T4,T3, -40oC
- A IEC Ex d ia IIB T4,T3 Ga/Gb
- B IEC Ex d IIB T4,T3 Ga/Gb
- C IEC Ex d IIC T4,T3 Ga/Gb
- D IEC Ex d ia IIB T4,T3 Ga/Gb, -40oC
- E IEC Ex d IIB T4,T3 Ga/Gb, -40oC
- 9 Special version, TSP-no. to be spec.

Application:

- A Liquid level
- B PTB (<1mm) type approval, liquid level
- C NMI (<1mm) type approval, liquid level
- D Multi measurement, Liquid level, I/F level, bottom, density
- E PTB (<1mm) type approval, liquid level, I/F level, bottom, density
- F NMI (<1mm) type approval, liquid level, I/F level, bottom, density
- G Density profile multi measurement, Liquid level, I/F level, bottom, density
- H PTB (<1mm) type approval, density profile, liquid level, I/F level, bottom, density
- J NMI (<1mm) type approval, density profile, liquid level, I/F level, bottom, density
- Y Special version, TSP-no. to be spec.

Output 1:

- F Not selected
- A 2-way 2-wire (V1 protocol)
- J 2-way 2-wire (MDP protocol)
- B 2-way 2-wire (BBB protocol)
- C 2-way 2-wire (MIC, RS232C protocol)
- D 2-way 2-wire (MIC protocol)
- G 4-20mA HART active
- H 4-20mA HART passive
- L Whessmatic 550, overvoltage protection
- M Mark Space
- N Enraf BPM
- P Modbus RS485
- Y Special version, TSP-no. to be spec.

Output 2:

- 0 Not selected
- 1 4x relay SPST
- 2 2x 4-20mA
- 3 4x relay SPST, 2x 4-20mA
- 4 2x relay SPST, overflow prevention TÜV
- 5 4x relay SPST, 1x 4-20mA
- 9 Special version, TSP-no. to be spec.

Input:

- 0 HART (NMT5xx, NRF560, pressure transmitter)
- 1 1x spot temperature Pt100, HART (NMT5xx, NRF560, pressure transmitter)
- 2 2x operation contact, HART (NMT5xx, NRF560, pressure transmitter)
- 3 1x spot temperature Pt100, 2x operation contact, HART (NMT5xx, NRF560, pressure transmitter)

- 4 1x status, HART (NMT5xx, NRF560, pressure transmitter)
- 5 1x spot temperature Pt100, 1x status, HART (NMT5xx, NRF560, pressure transmitter)
- 6 1x spot temperature Pt100, 1x status, 2x operation contact, HART (NMT5xx, NRF560, pressure transmitter)

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

Measuring Range; Wire:

- C 0-28m; SUS316, 0.15mm
- L 0-36m; SUS316, 0.15mm
- H 0-16m; PFA>SUS316, 0.4mm
- K 0-16m; AlloyC, 0.2mm
- M 0-22m; AlloyC, 0.2mm
- N *0-47m; SUS316, 0.15mm
- Y Special version, TSP-no. to be spec.

Cable Entry:

- E 4x thread G1/2
- F 4x thread G3/4
- G 4x thread NPT1/2
- H 4x thread NPT3/4
- L 4x thread M20
- M 4x thread M25
- Y Special version, TSP-no. to be spec.

Process Connection:

- A 10K 80A RF, flange JIS B2220
- C 10K 80A FF, flange JIS B2220
- U 10K 150A RF, flange JIS B2220
- E 20K 80A RF, flange JIS B2220
- G 3" 150lbs RF, flange ANSI B16.5
- J 3" 300lbs RF (apply for NMS5-6), flange ANSI B16.5
- T 6" 150lbs RF, flange ANSI B16.5
- L DN80 PN10 B1, flange EN1092-1 (DIN2527 B)
- N DN80 PN25 B1, flange EN1092-1 (DIN2527 B)
- Q 80A 150lbs RF, flange JPI 7S-15
- S 80A 300lbs RF (apply for NMS5-6), flange JPI 7S-15
- Y Special version, TSP-no. to be spec.

Power Supply:

- 3 85-264VAC, 50/60Hz
- 4 20-62VDC, 20-55VAC, 50/60Hz
- 9 Special version, TSP-no. to be spec.

Displacer:

- N Cylindrical 30mm, SUS316
- K Cylindrical 40mm, SUS316
- D Cylindrical 50mm, SUS316
- T Cylindrical 50mm, AlloyC
- R Conical 70mm, SUS316
- S Conical 110mm, SUS316
- Y Special version, TSP-no. to be spec.

O-ring; Drum Housing Inner Finish:

- 0 NBR; not selected

- 1 Silicone rubber; not selected
- 5 Silicone rubber; FEP coated
- 3 PTFE (wire drum FKM); not selected
- 4 PTFE (wire drum FKM); FEP coated
- 6 CR; not selected
- 2 FKM; not selected
- 9 Special version, TSP-no. to be spec.

Additional Option:

- A Not selected
- C Rc3/8 cleaning nozzle
- D Rc3/8 gas purging nozzle
- E Guide wire installation
- G Relief valve
- H Relief valve, pressure gauge
- J Sunshade
- L Rc3/8 gas purging nozzle, sunshade
- Y Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Float Gauge LT1222

Magnet float type tank gauge by flange mounting with numeric display.

**LT1222-
52007808**

SPK: NSB



Float Gauge LT1222

Function:

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

Process Connection:

- 1 10K 40A RF, flange JIS B2220
- 2 1-1/2" 150lbs RF, flange ANSI B16.5
- 9 Special version, TSP-no. to be spec.

Measuring Range:

- 1 2.5m
- 2 5m
- 9 Special version, TSP-no. to be spec.

Display:

- 2 Numeric (mechanical counter)

Application:

- 000 Gauge head only
- 212 Seal pipe not selected
- 214 Seal pipe SUS316
- 215 Seal pipe PVC, wetted/gas parts
- 999 Special version, TSP-no. to be spec.

Seal Pipe:

- 0 Not selected
- 1 xxx mm 10K 40A RF, SUS316 flange JIS B2220
- 2 xxx mm 20K 40A RF, SUS316 flange JIS B2220
- 3 xxx mm 10K 50A FF, PVC flange JIS B2220
- 4 xxx mm 1-1/2" 150lbs RF, SUS316 flange ANSI B16.5
- 5 xxx mm 1-1/2" 300lbs RF, SUS316 flange ANSI B16.5
- 6 xxx mm 2" 150lbs FF, PVC flange ANSI B16.5
- 9 Special version, TSP-no. to be spec.

Float:

- 0 Not selected
- 1 Low pressure, SUS316
- 2 High pressure, SUS316
- 9 Special version, TSP-no. to be spec.

Colour:

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

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Float Gauge LT1122

Magnet float type tank gauge by screw mounting with numeric display.

**LT1122-
52007806**

SPK: NSB



Float Gauge LT1122

Function:

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

Process Connection:

- 0 Thread JIS B0203 Rp1-1/2
- 6 Thread JIS B0203 Rc1-1/2, union nut
- 7 Thread ANSI NPT1-1/2, union nut
- 9 Special version, TSP-no. to be spec.

Measuring Range:

- 1 2.5m
- 2 5m
- 9 Special version, TSP-no. to be spec.

Display:

- 2 Numeric (mechanical counter)

Application:

- 000 Gauge head only
- 202 Seal pipe not selected
- 204 Seal pipe SUS316
- 205 Seal pipe PVC, wetted/gas parts
- 999 Special version, TSP-no. to be spec.

Seal Pipe:

- 0 Not selected
- 1 xxx mm 10K 40A RF, SUS316 flange JIS B2220
- 2 xxx mm 20K 40A RF, SUS316 flange JIS B2220
- 3 xxx mm 10K 50A FF, PVC flange JIS B2220
- 4 xxx mm 1-1/2" 150lbs RF, SUS316 flange ANSI B16.5
- 5 xxx mm 1-1/2" 300lbs RF, SUS316 flange ANSI B16.5
- 6 xxx mm 2" 150lbs FF, PVC flange ANSI B16.5
- 9 Special version, TSP-no. to be spec.

Float:

- 0 Not selected
- 1 Low pressure, SUS316
- 2 High pressure, SUS316
- 9 Special version, TSP-no. to be spec.

Colour:

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

>>>Marking: (optional)

-
- 1 Tagging (TAG), see additional spec.
-

Float Gauge LT16 (LT1600)

Float type tank gauge with flange mounting type under high pressure application (2.5MPa/25bar).

**LT16-
52007804**

SPK: NSB

Float Gauge LT16 (LT1600)

Display:

- 1 Dial 2 pointers
- 2 Numeric (mechanical counter)
- 5 Dial 2 pointers, up side down
- 9 Special version, to be specified

Crank Unit:

- 0 Not selected
- 1 Selected

Function:

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

Process Connection:

- 1 10K 40A RF, SCPL1, SNB7 flange JIS B2220
- 2 20K 40A RF, SCPL1, SNB7 flange JIS B2220
- A 10K 40A RF, SCS13, SUS304 flange JIS B2220
- B 20K 40A RF, SCS13, SUS304 flange JIS B2220
- G 20K 40A RF, SCS13, SNB7 flange JIS B2220
- 3 1-1/2" 150lbs RF, SCPL1, SNB7 flange ANSI B16.5
- 4 1-1/2" 300lbs RF, SCPL1, SNB7 flange ANSI B16.5
- C 1-1/2" 150lbs RF, SCS13, SUS304 flange ANSI B16.5
- D 1-1/2" 300lbs RF, SCS13, SUS304 flange ANSI B16.5
- H 1-1/2" 300lbs RF, SCS13, SNB7 flange ANSI B16.5
- 5 40A 150lbs RF, SCLP1, SNB7 flange JPI 7S-15
- 6 40A 300lbs RF, SCLP1, SNB7 flange JPI 7S-15
- E 40A 150lbs RF, SCS13, SUS304 flange JPI 7S-15
- F 40A 300lbs RF, SCS13, SUS304 flange JPI 7S-15
- J 40A 300lbs RF, SCS13, SNB7 flange JPI 7S-15
- 9 Special version, TSP-no. to be spec.

Measuring Range:

- 1 2.5m
- 2 5m
- 3 10m
- 4 16m
- 5 20m
- 6 30m
- 9 Special version, TSP-no. to be spec.

Application:

- AAA Gauge head only, accessories ordered by selection tool
- 000 Gauge head only
- 042 Standard, sheave elbow 90o x1, 135o x2
- 043 Sheave elbow 90o x2
- 044 Tank top installation
- 096 Standard, sheave elbow 90o x1, 135o x2, crank unit
- 097 Sheave elbow 90o x2, crank unit
- 999 Special version, TSP-no. to be spec.

Float:

- 4 Not selected
- 5 8.3kg, d=400mm

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

Additional Option:

- 0 Basic version
B Gauge head bolts SUS304
C Copper free
F Copper free, gauge head bolts SUS304
9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Float Gauge LT14 (LT1400)

Float type tank gauge with flange mounting type under middle pressure application (0.1MPa/1.0bar).

**LT14-
52007803**

SPK: NSB

Float Gauge LT14 (LT1400)

Display:

- 1 Dial 2 pointers
2 Numeric (mechanical counter)
5 Dial 2 pointers, up side down
9 Special version, TSP-no. to be spec.

Crank Unit:

- 0 Not selected
1 Selected

Function:

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

Process Connection:

- 1 10K 40A RF, AC4CT6 flange JIS B2220
A 10K 40A RF, SCS13 flange JIS B2220
3 1-1/2" 150lbs RF, AC4CT6 flange ANSI B16.5
C 1-1/2" 150lbs RF, SCS13 flange ANSI B16.5
5 40A 150lbs RF, AC4CT6 flange JPI 7S-15
E 40A 150lbs RF, SCS13 flange JPI 7S-15
9 Special version, TSP-no. to be spec.

Measuring Range:

- 1 2.5m
2 5m
3 10m
4 16m
5 20m
6 30m
9 Special version, TSP-no. to be spec.

Application:

- AAA Gauge head only, accessories ordered by selection tool
000 Gauge head only
040 Standard, sheave elbow 90o x2
041 Wetted/gas parts SUS316, sheave elbow 90o x1, 135o x2
078 Alu, sheave elbow 90o x1, 135o x2
094 Standard, sheave elbow 90o x2, crank unit
095 Wetted/gas parts SUS316, crank unit, sheave elbow 90o x1, 135o x2
098 Alu, sheave elbow 90o x1, 135o x2, crank unit
999 Special version, TSP-no. to be spec.

Float:

- 4 Not selected

- 5 8.0kg, d=400mm
- 9 Special version, TSP-no. to be spec.

Additional Option:

- 0 Basic version
- C Copper free
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Float Gauge LTC2230

Float type tank gauge according to wire float type under low pressure application (20kPa/0.2bar).
Display position: upper.

LTC2230-**52007809**

SPK: NSB



Float Gauge LTC2230

Function:

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

Process Connection:

- 0 10K 150A RF, SS400 flange JIS B2220
- 1 6" 150lbs RF, SS400 flange ANSI B16.5
- 9 Special version, TSP-no. to be spec.

Measuring Range:

- 1 2.5m
- 2 5m
- 3 10m
- 9 Special version, TSP-no. to be spec.

Display:

- 1 Dial 1 pointer
- 9 Special version, TSP-no. to be spec.

Application:

- 000 Gauge head only
- 081 Standard application
- 999 Special version, TSP-no. to be spec.

Float:

- 1 2.1kg, d=140mm (0.5-0.93g/cm³)
- 2 2.4kg, d=140mm (0.94-2.0g/cm³)
- 3 Not selected
- 9 Special version, TSP-no. to be spec.

Colour:

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

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Float Gauge LT11 (LT1100)

Float type tank gauge with screw mounting type under low pressure application (20kPa/0.2bar).

LT11-

52007801

SPK: NSB



Float Gauge LT11 (LT1100)

Display:

- 1 Dial 2 pointers
- 2 Numeric (mechanical counter)
- 5 Dial 2 pointers, up side down
- 9 Special version, TSP-no. to be spec.

Crank Unit:

- 0 Not selected
- 1 Selected

Function:

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

Process Connection:

- 0 Thread JIS B0203 Rp 1-1/2, w/o union nut, SUS316
- A Thread JIS B0203 Rc 1-1/2, union nut, sleeve, SUS316
- B Thread ANSI NPT1-1/2, union nut, sleeve, SUS316
- C Thread JIS B0202 G1-1/2, union nut, sleeve, SUS316
- 9 Special version, TSP-no. to be spec.

Measuring Range:

- 1 2.5m
- 2 5m
- 3 10m
- 4 16m
- 5 20m
- 6 30m
- 9 Special version, TSP-no. to be spec.

Application:

- AAA Gauge head only, accessories ordered by selection tool
- 000 Gauge head only
- 005 CRT, guide pipe installation
- 008 Tank top, guide pipe installation
- 060 PVC, SS400 wire hook
- 062 PVC, SUS316 wire hook
- 251 Gas holder
- 261 FRT tank
- A01 Standard application for CRT, tape not installed, (solid guide wire, 2 anchor hooks)
- A04 Wetted parts SUS316, tape not installed, (solid guide wire, 2 anchor hooks)
- A06 Wetted/gas parts SUS316, tape not installed, (solid guide wire, 2 anchor hooks)
- A07 Underground standard, tape not installed, (solid guide wire, 2 anchor hooks)
- A10 Underground standard, SUS316, tape not installed, (solid guide wire, 2 anchor hooks)
- A50 Seal pot standard, tape not installed, (solid guide wire, 2 anchor hooks)
- A54 Seal pot all SUS316, tape not installed, (solid guide wire, 2 anchor hooks)
- B01 Standard, crank unit, tape not installed, (solid guide wire, 2 anchor hooks)
- B04 Wetted parts SUS316, crank unit, tape not installed, (solid guide wire, 2 anchor hooks)
- B06 Wetted/gas parts SUS316, crank unit, tape not installed, (solid guide wire, 2 anchor hooks)
- B50 Seal pot standard, crank unit, tape not installed, (solid guide wire, 2 anchor hooks)
- B54 Seal pot SUS316, crank unit, tape not installed, (solid guide wire, 2 anchor hooks)
- C07 Underground tank installation, crank unit, tape not installed, (solid guide wire, 2 anchor hooks)
- C10 Underground tank installation, tape not installed, (solid guide wire, 2 anchor hooks)
- 999 Special version, TSP-no. to be spec.

Float:

- 4 Not selected
- 1 4.2kg, d=400mm
- 2 5.0kg, d=400mm
- 3 8.0kg, d=400mm
- 5 2.1kg, d=140mm
- 6 2.4kg, d=140mm
- 9 Special version, TSP-no. to be spec.

Additional Option:

- 0 Basic version
- C Copper free
- D Glass display cover
- J Copper free, glass display cover
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Float Gauge LT1212

Magnet float type tank gauge by flange mounting with dial display.

**LT1212-
52007807**

SPK: NSB



Float Gauge LT1212

Function:

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

Process Connection:

- 1 10K 40A RF, flange JIS B2220
- 2 1-1/2" 150lbs RF, flange ANSI B16.5
- 9 Special version, TSP-no. to be spec.

Measuring Range:

- 1 2.5m
- 2 5m
- 9 Special version, TSP-no. to be spec.

Display:

- 1 Dial 2 pointers
- 9 Special version, TSP-no. to be spec.

Application:

- 000 Gauge head only
- 212 Seal pipe not selected
- 214 Seal pipe SUS316
- 215 Seal pipe PVC, wetted/gas parts
- 999 Special version, TSP-no. to be spec.

Seal Pipe:

- 0 Not selected
- 1 xxx mm 10K 40A RF, SUS316 flange JIS B2220
- 2 xxx mm 20K 40A RF, SUS316 flange JIS B2220
- 3 xxx mm 10K 50A FF, PVC flange JIS B2220
- 4 xxx mm 1-1/2" 150lbs RF, SUS316 flange ANSI B16.5
- 5 xxx mm 1-1/2" 300lbs RF, SUS316 flange ANSI B16.5
- 6 xxx mm 2" 150lbs FF, PVC flange ANSI B16.5
- 9 Special version, TSP-no. to be spec.

Float:

- 0 Not selected
- 1 Low pressure, SUS316

- 2 High pressure, SUS316
- 9 Special version, TSP-no. to be spec.

Colour:

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

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Float Gauge LT12 (LT1200)

Float type tank gauge with flange mounting type under low pressure application (20kPa/0.2bar).

**LT12-
52007802**

SPK: NSB



Float Gauge LT12 (LT1200)

Display:

- 1 Dial 2 pointers
- 2 Numeric (mechanical counter)
- 5 Dial 2 pointers, up side down
- 9 Special version, TSP-no. to be spec.

Crank Unit:

- 0 Not selected
- 1 Selected

Function:

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

Process Connection:

- 1 10K 40A RF, AC4A flange JIS B2220
- A 10K 40A RF, SUS316 flange JIS B2220
- 2 1-1/2" 150lbs RF, AC4C flange ANSI B16.5
- B 1-1/2" 150lbs RF, SUS316 flange ANSI B16.5
- 3 40A 150lbs RF, AC4A flange JPI 7S-15
- C 40A 150lbs RF, SUS316 flange JPI 7S-15
- 9 Special version, TSP-no. to be spec.

Measuring Range:

- 1 2.5m
- 2 5m
- 3 10m
- 4 16m
- 5 20m
- 6 30m
- 9 Special version, TSP-no. to be spec.

Application:

- AAA Gauge head only, accessories ordered by selection tool
- 000 Gauge head only
- 061 PVC, SS400 wire hook
- 063 PVC, SUS316 wire hook
- 252 Gas holder
- 262 FRT tank
- A11 Standard application for CRT, tape not installed, (solid guide wire, 2 anchor hooks)
- A14 Wetted parts SUS316, tape not installed, (solid guide wire, 2 anchor hooks)
- A15 Wetted/gas parts SUS316, tape not installed, (solid guide wire, 2 anchor hooks)
- A40 Underground standard, tape not installed, (solid guide wire, 2 anchor hooks)
- A43 Underground standard, SUS316, tape not installed, (solid guide wire, 2 anchor hooks)
- A55 Standard, seal pot, tape not installed, (solid guide wire, 2 anchor hooks)
- A59 Seal pot all SUS316, tape not installed, (solid guide wire, 2 anchor hooks)

- B55 Standard, seal pot, crank unit, tape not installed, (solid guide wire, 2 anchor hooks)
- B59 Seal pot all SUS316, crank unit, tape not installed, (solid guide wire, 2 anchor hooks)
- B11 Standard, crank unit, tape not installed, (solid guide wire, 2 anchor hooks)
- B14 Wetted parts SUS316, crank unit, tape not installed, (solid guide wire, 2 anchor hooks)

- B15 Wetted/gas parts SUS316, crank unit, tape not installed, (solid guide wire, 2 anchor hooks)

- B40 Underground tank installation, crank unit, tape not installed, (solid guide wire, 2 anchor hooks)

- B43 UTI, wetted parts SUS316, crank unit, tape not installed, UTI = Underground tank installation (solid guide wire, 2 anchor hooks)

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

Float:

- 4 Not selected
- 1 4.2kg, d=400mm
- 2 5.0kg, d=400mm
- 3 8.0kg, d=400mm
- 9 Special version, TSP-no. to be spec.

Additional Option:

- 0 Basic version
- C Copper free
- D Glass display cover
- J Copper free, glass display cover
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Float Gauge LT1112

Magnet float type tank gauge by screw mounting with dial display.

**LT1112-
52007805**

SPK: NSB



Float Gauge LT1112

Function:

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

Process Connection:

- 0 Thread JIS B0203 Rp1-1/2
- 6 Thread JIS B0203 Rc1-1/2, union nut
- 7 Thread ANSI NPT1-1/2, union nut
- 9 Special version, TSP-no. to be spec.

Measuring Range:

- 1 2.5m
- 2 5m
- 9 Special version, TSP-no. to be spec.

Display:

- 1 Dial 2 pointers
- 9 Special version, TSP-no. to be spec.

Application:

- 000 Gauge head only
- 202 Seal pipe not selected
- 204 Seal pipe SUS316
- 205 Seal pipe PVC, wetted/gas parts
- 999 Special version, TSP-no. to be spec.

Seal Pipe:

- 0 Not selected

- 1 xxx mm 10K 40A RF, SUS316 flange JIS B2220
- 2 xxx mm 20K 40A RF, SUS316 flange JIS B2220
- 3 xxx mm 10K 50A FF, PVC flange JIS B2220
- 4 xxx mm 1-1/2" 150lbs RF, SUS316 flange ANSI B16.5
- 5 xxx mm 1-1/2" 300lbs RF, SUS316 flange ANSI B16.5
- 6 xxx mm 2" 150lbs FF, PVC flange ANSI B16.5
- 9 Special version, TSP-no. to be spec.

Float:

- 0 Not selected
- 1 Low pressure, SUS316
- 2 High pressure, SUS316
- 9 Special version, TSP-no. to be spec.

Colour:

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

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Float Gauge LTC2240

Float type tank gauge according to wire float type under low pressure application (20kPa/0.2bar).
Display position: down.

**LTC2240-
52007810**

SPK: NSB



Float Gauge LTC2240

Function:

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

Process Connection:

- 0 10K 150A RF, SS400 flange JIS B2220
- 1 6" 150lbs RF, SS400 flange ANSI B16.5
- 9 Special version, TSP-no. to be spec.

Measuring Range:

- 1 2.5m
- 2 5m
- 3 10m
- 9 Special version, TSP-no. to be spec.

Display:

- 1 Dial 1 pointer
- 9 Special version, TSP-no. to be spec.

Application:

- 000 Gauge head only
- 083 Standard application
- 999 Special version, TSP-no. to be spec.

Float:

- 1 2.1kg, d=140mm (0.5-0.93g/cm3)
- 2 2.4kg, d=140mm (0.94-2.0g/cm3)
- 3 Not selected
- 9 Special version, TSP-no. to be spec.

Colour:

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

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Level Switch MPC2000

Level switch according to displacer principle.

**MPC2-
52007827**

SPK: NSD

Level Switch MPC2000

Type:

- 0 Not selected
- 1 Internal pipe
- 2 External pipe (side-side installation 25A/1")
- 3 External pipe (side-bottom installation 25A/ 1")

Heat Radiation:

- 0 w/o fin, max 100oC
- 1 Double fin, max 250oC
- 2 Single fin, max 150oC

Switch Count:

- 1 1x Level
- 2 2x Level
- 3 3x Level
- 4 4x Level
- 5 1x FRT Overflow detection
- 6 1x CRT Overflow detection

Approval:

- 9 Special version, TSP-no. to be spec.
- B Flame proof d2G4, TIIS + cable gland
- E Flame proof d2G4, TIIS
- W Weather proof IP65
- X Weather proof IP65 + cable connector

Function:

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

Process Connection, Top Mounted Flange:

- 3 10K 65A RF, SUS304 flange JIS B2220
- 4 10K 65A RF, SUS316 flange JIS B2220
- 1 10K 80A RF, SUS304 flange JIS B2220
- 2 10K 80A RF, SUS316 flange JIS B2220
- S 10K 100A RF, SUS304 flange JIS B2220
- T 10K 100A RF, SUS316 flange JIS B2220
- 7 20K 65A RF, SUS304 flange JIS B2220
- 8 20K 65A RF, SUS316 flange JIS B2220
- 5 20K 80A RF, SUS304 flange JIS B2220
- 6 20K 80A RF, SUS316 flange JIS B2220
- C 2-1/2" 150lbs RF, SUS304 flange ANSI B16.5
- D 2-1/2" 150lbs RF, SUS316 flange ANSI B16.5
- G 2-1/2" 300lbs RF, SUS304 flange ANSI B16.5
- H 2-1/2" 300lbs RF, SUS316 flange ANSI B16.5
- A 3" 150lbs RF, SUS304 flange ANSI B16.5
- B 3" 150lbs RF, SUS316 flange ANSI B16.5
- E 3" 300lbs RF, SUS304 flange ANSI B16.5
- F 3" 300lbs RF, SUS316 flange ANSI B16.5
- U 4" 150lbs RF, SUS304 flange ANSI B16.5
- V 4" 150lbs RF, SUS316 flange ANSI B16.5
- L 65A 150lbs RF, SUS304 flange JPI 7S-15
- M 65A 150lbs RF, SUS316 flange JPI 7S-15
- Q 65A 300lbs RF, SUS304 flange JPI 7S-15

- R 65A 300lbs RF, SUS316 flange JPI 7S-15
- J 80A 150lbs RF, SUS304 flange JPI 7S-15
- K 80A 150lbs RF, SUS316 flange JPI 7S-15
- N 80A 300lbs RF, SUS304 flange JPI 7S-15
- P 80A 300lbs RF, SUS316 flange JPI 7S-15
- W 100A 150lbs RF, SUS304 flange JPI 7S-15
- X 100A 150lbs RF, SUS316 flange JPI 7S-15
- 9 Special version, TSP-no. to be spec.

Switch Position:

- 0 Lower
- 1 Lower + upper
- 2 Upper

Pipe:

- 0 Not selected
- 1 xxx mm T, internal pipe, SGP/SS
- 2 xxx mm T, internal pipe, SUS304
- 3 xxx mm T, internal pipe, SUS316
- 4 xxx mm S, external pipe, STPG/SS, S25C
- 5 xxx mm S, external pipe, SUS304
- 6 xxx mm S, external pipe, SUS316
- 9 Special version, TSP-no. to be spec.

Set Point:

- A mm H, flange-SW1 (300-3850mm)
- B mm H mm L1 H=flange-SW1 L1=SW1-SW2
- C mm H mm L1 mm L2, H=flange-SW1 L1=SW1-SW2 L2=SW2-SW3
- D mm H mm L1 mm L2 mm L3, H=flange-SW1 L1=SW1-SW2 L2=SW2-SW3, L3=SW3-SW4
- Y Special version, TSP-no. to be spec.

Cable Entry:

- 0 Thread PF(G)3/4
- 1 Thread PF(G)3/4, TF16-11
- 2 Thread PF(G)1, TF22-13
- 3 Thread PF(G)1, TF22-15
- 4 Thread PF(G)1-1/4, TF28-18
- 5 Thread NPT3/4
- 9 Special version, TSP-no. to be spec.

Density Range:

- 0 Not selected
- 3 0.65 - 1.2g/cm³, see additional spec.
- 9 Special version, TSP-no. to be spec.

Colour:

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

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Tank Side Monitor NRF590

Integrating a radar/servo +
5 other HART sensors into a
Tank Inventory System.
Setup-/diagnostic software
included.

Inputs for spot RTD, analogue 4-20mA
in- and outputs, 2 discrete contact
in-/outputs (solid state).

:: Graphic LC display with backlight.
:: Various industry protocols available.
:: Easy commissioning.
:: Provides intrinsic safe supply
for connected sensors.

Tank Side Monitor NRF590

NRF590-
52011355
SPK: NSE



Approval:

- A Non-hazardous area
- 6 ATEX II 2 (1) EEx d (ia) IIC T6
- U CSA XP Cl.I Div.1 Gr.A-D, zone 1,2
- S FM XP Cl.I Div.1 Gr.A-D, zone 1,2
- K TIIS EEx d (ia) IIC T4
- Y Special version, TSP-no. to be spec.

Field Communication Protocol Ex d/XP:

- E ENRAF BPM, 4-20mA input, 4-20mA HART output
- G GPE, 4-20mA output, 4-20mA HART output
- 1 Whessoe WM550 (dualer output), 4-20mA output, 4-20mA HART output
- 3 VAREC Mark/Space, 4-20mA input, 4-20mA HART output
- 4 Modbus EIA 485
- 5 Modbus EIA 485, 4-20mA Input, 4-20mA HART output
- 7 L&J, 4-20mA input, 4-20mA HART output
- 8 Sakura V1, 4-20mA output, 4-20mA HART output, Relay output
- 9 Special version, TSP-no. to be spec.

Power Supply:

- A 18-55V AC/DC
- B 55-264VAC
- Y Special version, TSP-no. to be spec.

Spot Rtd Option:

- 0 Not selected
- 1 Intrinsically safe input
- 9 Special version, TSP-no. to be spec.

Digital Module A:

- A Not selected
- B Input 90-140VAC
- C Input 3-32VDC
- D Input 180-264VAC
- E Input 35-60VAC/DC
- G Output 24-250VAC
- H Output 3-60VDC
- J Output 24-140VAC
- K Output 4-200VDC
- R Relay 0-100VDC, 0-120VAC
- Y Special version, TSP-no. to be spec.

Digital Module B:

- A Not selected
- B Input 90-140VAC
- C Input 3-32VDC
- D Input 180-264VAC
- E Input 35-60VAC/DC
- G Output 24-250VAC
- H Output 3-60VDC
- J Output 24-140VAC
- K Output 4-200VDC
- R Relay 0-100VDC, 0-120VAC
- Y Special version, TSP-no. to be spec.

Additional Intrinsically Safe Module:

- 2 Input 4-20mA + 2x input digital
- 9 Special version, TSP-no. to be spec.

Cable Entry (Non-IS):

- F 2x Ex d gland G1/2
- B 2x Ex d thread M20 (Non Ex > gland M20)
- C 2x Ex d thread G1/2
- D 2x Ex d thread NPT1/2
- E 2x Ex d thread NPT3/4
- H 3x Ex d thread M20 (Non Ex > gland M20)
- K 3x Ex d thread G1/2
- L 3x Ex d thread NPT1/2
- Y Special version, TSP-no. to be spec.

Entry - IS Compartment:

- 2 2x Gland M25, 13-18mm
- 3 2x Thread G1/2
- 4 2x Thread NPT1/2
- 5 2x Thread NPT3/4
- 9 Special version, TSP-no. to be spec.

Weight + Measure Approval:

- N Not selected
- A NMI type approval
- G PTB type approval
- Y Special version, TSP-no. to be spec.

Additional Option:

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

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Transmitter NRR262

for oil leakage detecting system.

**NRR262-
52006073**

SPK: NSH

Transmitter NRR262

Approval:

- 2 Ex ia IIB T4, TIIS (NAR300), see additional spec.
- 9 Special version, TSP-no. to be spec.

Power Supply:

- A 90-250VAC 50/60Hz
- B 22-26VDC
- Y Special version, to be specified

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Oil leak detector NAR300

Advanced technology oil leak detection for use in depot, refinery, power plants etc. for environment protection.

**NAR300-
56004244**

SPK: NSH

Oil leak detector NAR300

Approval:

- 1 Ex ia IIB T4, TIIS
- 9 Special version, TSP-no. to be spec.

Type:

- 1 Float
- 2 Float, module set (Econounce NRR261 upgrade)
- 4 Float, Ex box (Econounce NRR262 upgrade)
- 5 Float, Ex box (separate type)
- 9 Special version, TSP-no. to be spec.

Output:

- A 2-wire current
- Y Special version, TSP-no. to be spec.

Signal Cable:

- A 6m
- B 10m
- C 15m
- D 20m
- E 25m
- F 30m
- Y Special version, TSP-no. to be spec.

Float Guide:

- 1 Not used
- 2 **Guide 304, weight SS400
- 3 **Guide 304, weight 304
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- A Not needed
- B G1/2
- C NPT1/2
- E M25
- Y Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Transmitter NRR261, Ex d

for oil leakage detecting system.

**NRR261-
52006072**
SPK: NSH

Transmitter NRR261, Ex d

Approval:

- 2 Ex d ia, IIB T4 TIIS (NAR300)
- 3 TIIS Ex d(ia) IIB T4 (NAR300 separate type)
- 9 Special version, TSP-no. to be spec.

Power Supply:

- A 90-250VAC 50/60Hz
- B 22-26VDC
- Y Special version, TSP-no. to be spec.

Cable Entry:

- A G3/4 x2 (Ex d)
- B NPT3/4 x2 (Ex d)
- D M25 x2 (Ex d)
- E G3/4 x2 (Ex d), G1/2 x1 (Ex ia)
- K G1/2 x2 (Ex d), G1/2 x1 (Ex ia)
- Y Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
-

Promonitor NRF560

Level and temperature indicator directly connected to the HART input of Proservo NMS.
Tank side mounted in hazardous area.
Operated via optical keys.

**NRF560-
017405-9000**

SPK: NSI



Promonitor NRF560

Approval:

- 0 Weather proof, IP67 NEMA4X
- 1 TIIS Ex d IIB T4 X
- 4 FM XP Cl.I, Div.1, Gr.A-D
- 5 CSA Cl.I, Div.1, Gr.A-D
- 6 ATEX II 2G Ex d IIC T4
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- A 2x thread G1/2
- B 2x thread NPT1/2
- D 2x thread M20
- Y Special version, TSP-no. to be spec.

Power Supply:

- 3 85-264VAC, 50/60Hz
- 4 20-62VDC, 20-55VAC, 50/60Hz
- 9 Special version, TSP-no. to be spec.

Mounting Bracket:

- 0 Not selected
- 1 Selected
- 9 Special version, TSP-no. to be spec.

Colour:

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

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Analogue Transmitter AT1000

For mechanical tank gauges
LT and LTC series.

**AT1-
52007567**

SPK: NSK

Analogue Transmitter AT1000

Output:

- 1 4-20mA
- 2 10-50mA
- 3 0-1mA
- 4 0-20mA
- 5 0-10mVDC
- 6 0-1VDC
- 9 Special version, TSP-no. to be spec.

Power Type:

- 1 AC
- 2 DC

Alarm Output:

-
- 0 Not used
 - 2 2-point
 - 4 4-point
 - 6 6-point

Approval:

- B Flame proof d2G4, TIIS + cable gland
- E Flame proof d2G4, TIIS
- W Weather proof IP65
- Y Special version, TSP-no. to be spec.

Function:

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

Power Supply:

- 1 100VAC, 50/60Hz
- 2 110VAC, 50/60Hz
- 3 200VAC, 50/60Hz
- 4 220VAC, 50/60Hz
- 5 24VDC
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- A 1x thread PF(G)3/4
- B 2x thread PF(G)3/4
- C 1x thread PF(G)1-1/2
- D 1x thread PF(G)1-1/2, 1x PF(G)3/4
- E 1x gland PF(G)3/4, TF16-11
- F 2x gland PF(G)3/4, TF16-11
- G 1x gland PF(G)1, TF22-15
- K 1x thread M25
- R 2x thread NPT3/4
- Y Special version, TSP-no. to be spec.

Installation Gauge:

- 1 LT1100/LT1200/LT3100/LT3200 R:300mm low pressure LT version
- 2 LT1400/LT1600/LT3400/LT3600 R:300mm high pressure LT version
- 3 LTC2100 L:600mm
- 4 LTC2230/LTC2240 R:600mm
- 9 Special version, TSP-no. to be spec.

Measuring Range:

- 1 2.5m
- 2 5m
- 3 10m
- 4 16m
- 5 20m
- 6 30m
- 9 Special version, TSP-no. to be spec.

Alarm Contact:

- 0 Not used
- 1 A = normal open
- 2 B = normal closed
- 3 C = transfer contact

Colour:

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

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
-

Digital Transmitter TMD1 (TMD1000)

For mechanical tank gauges
LT and LTC series.

TMD1-
52007817

SPK: NSK

Digital Transmitter TMD1 (TMD1000)

Output 1:

- 0 Not selected
- 1 4-20mA
- 2 2-way 2-wire (MDP protocol)
- 3 BCD parallel
- 4 Sakura code parallel
- 5 2-way 2-wire (MIC, BBB protocol)
- 6 2-way 2-wire (V1 protocol)
- 9 Special version, TSP-no. to be spec.

Function:

- B HART input (NMT5xx, NRF560)
- 9 Special version, TSP-no. to be spec.

Approval:

- 0 Weather proof IP65
- 1 Flame proof d2G4, TIIS
- 2 Flame proof d2G4, TIIS + cable gland

Output 2:

- 0 Not selected
- 1 4-20mA
- 2 4x alarm (open collector)
- 3 Monitor DRM
- 4 2x gauge operation command
- 5 2x gauge operation command, 6x outer equipment operation command
- 6 8x outer equipment operation command
- A 4-20mA, 4x alarm (open collector)
- B 4-20mA, monitor DRM
- C 4x alarm (open collector), monitor DRM
- D 4-20mA, 4x alarm (open collector), monitor DRM
- E 4-20mA, 2x gauge operation command
- F 2x gauge operation command, monitor DRM
- Y Special version, TSP-no. to be spec.

Input:

- 0 Not used
- 1 4-20mA
- 2 4x status
- 3 1x spot temperature Pt100/JPt100
- 4 3x spot temperature Pt100/JPt100
- 5 Multi element average temperature
- 6 Multi spot average temperature
- A 4-20mA, 1x spot temperature Pt100/JPt100
- B 4-20mA, 3x point spot temperature Pt100/JPt100
- C 4-20mA, multi element average temperature
- D 4-20mA, multi spot average temperature Pt100/JPt100
- E 4x status, 1x spot temperature Pt100/JPt100
- F 4x status, 3x spot temperature Pt100/JPt100
- G 4x status, multi element average temperature
- H 4x status, multi spot average temperature
- J 4-20mA, 4x status
- K 4-20mA, 4x status, 1x spot temperature Pt100/JPt100
- L 4-20mA, 4x status, 3x spot temperature Pt100/JPt100
- M 4-20mA, multi element average temperature, 4x status
- N 4-20mA, multi spot average temperature, 4x status

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

Power Supply:

- 5 60VAC, 50/60Hz
- 1 100VAC, 50/60Hz
- 2 110VAC, 50/60Hz
- 3 200VAC, 50/60Hz
- 4 220VAC, 50/60Hz
- 9 Special version, TSP-no. to be spec.

Colour:

- 1 Blue + white
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- 0 A: PF(G)1-1/2, B: PF(G)3/4, C: PF(G)1, D: PF(G)1
- 1 A: NPT1-1/2, B: NPT3/4, C: NPT1, D: NPT1
- 2 A: none, C: PF(G)1 TF22-15, B: PF(G)3/4 TF16-11, D: none
- 3 C: PF(G)1 TF22-15, D: PF(G)1 TF22-15 A: none, B: PF(G)3/4 TF16-11,
- 4 A: PF(G)1 TF22-15, D: none, B: PF(G)3/4 TF16-11, C: PF(G)1 TF22-15
- 5 A: PF(G)1 TF22-15, C: PF(G)1 TF22-15, B: PF(G)3/4 TF16-11, D: PF(G)1 TF22-15
- 7 A: PF(G)1-1/4 TF28-18, D: PF(G)1 TF22-15 B: PF(G)3/4 TF16-11, C: PF(G)1 TF22-15,

- A A: none, B: PF(G)3/4 TF16-11, D: none C: PF(G)1-1/4 TF28-18
- B A: none, B: PF(G)3/4 TF16-11, C: PF(G)1-1/4 TF28-18, D: PF(G)1 TF22-15
- C C: PF(G)1-1/4 TF28-18, D: none, A: PF(G)1 TF22-15, B: PF(G)3/4 TF16-11
- D A: PF(G)1 TF22-15, B: PF(G)3/4 TF16-11, C: PF(G)1-1/4 TF28-18, D: PF(G)1 TF22-15

- F A: PF(G)1-1/4 TF28-18, B: PF(G)3/4 TF16-11, C: PF(G)1-1/4 TF28-18, D: PF(G)1 TF22-15

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

Communication:

- 0 Not used
- 2 2-way 2-wire (MIC, BBB protocol)
- 3 2-way 2-wire (MDP protocol)
- 4 2-way 2-wire (V1 protocol)
- A Emitter common
- B Collector common
- 9 Special version, TSP-no. to be spec.

Temperature Input:

- 0 Not used
- 1 Pt100, JIS=IEC, -50...+200oC
- 2 Pt100, JIS=IEC, +70...+350oC
- 3 JPt100, JIS, -50...+200oC
- 4 JPt100, JIS, +70...+350oC
- 5 NMT
- 9 Special version, TSP-no. to be spec.

Application:

- 3 LT11/LT12/LT31/LT32
- 4 LT14/LT16/LT34/LT36
- 5 LTC2230/LTC2240
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Analogue Transmitter AT5000

For mechanical tank gauges
LT and LTC series.

AT500-
52007816

SPK: NSK

Analogue Transmitter AT5000

Alarm Output:

- 2 2-point
- 4 4-point
- 6 6-point

Function:

- 0 Basic version
- 1 Special version, TSP-no. to be spec.

Approval:

- B Flame proof d2G4, cable ground, TIIS
- E Flame proof d2G4, TIIS
- W Weather proof IP65
- Y Special version, TSP-no. to be spec.

Level Gauge Combination:

- 1 LT1100/LT1200/LT3100/LT3200 R:300mm low pressure LT version
- 2 LT1400/LT1600/LT3400/LT3600 R:300mm high pressure LT version
- 3 LTC2100 L:600mm
- 4 LTC2230/LTC2240 R:600mm
- 9 Special version, TSP-no. to be spec.

Measuring Range:

- 1 2.5m
- 2 5m
- 3 10m
- 5 20m
- 6 30m
- 9 Special version, TSP-no. to be spec.

Alarm Contact:

- 1 A = normal open
- 2 B = normal closed
- 3 C = transfer contact

Cable Entry:

- A Thread PF(G)3/4
- C Thread PF(G)1-1/2
- G Gland PF(G)1, TF22-13
- H Gland PF(G)1, TF22-15
- K Gland PF(G)1-1/4, TF28-21
- R Thread NPT3/4
- S Thread NPT1
- T Thread M25
- Y Special version, TSP-no. to be spec.

Colour:

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

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Rail mounting kit, housing F22, NRF590

52013134

SPK: NSS

Rail mounting kit, housing F22, NRF590

Power + Control Switch NHS8

For tank gauges field mounted, for tank gauges. It provides additional switching of operation contacts of the gauge in order to control the gauge's operation (lift up displacer).

NHS8-
016977-9000
SPK: NSS

Power + Control Switch NHS8

Approval:

- 1 Weather proof IP67
- 2 Flame proof (JIS d3aG5)

Cable Entry:

- 0 2x thread PF(G)3/4
- 1 2x thread PF(G)1
- 2 2x thread NPT3/4
- 3 2x thread NPT1
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Hand Held Terminal HHT2

Used for start up, calibration and service of the level gauges TGM5 and TMD (in combination with LT1x). Provides direct access to all parameters and values stored in the gauge. Connected to the gauge with an optical connector included.

HHT2-
52007821
SPK: NSS

Hand Held Terminal HHT2

Approval:

- E Intrinsically safe, i2G3 TIIS

Cable:

- 0 1m
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Calibration Chamber NHC4HP

For tank level gauge; high pressure version. Maintenance chamber is recommended for use with tank level gauges in order to allow maintenance (removing displacers), while tank is in service. Standard chamber is 6" flange, with bolts&packing for NMS connection.

NHC4HP-
52004545
SPK: NSS

Calibration Chamber NHC4HP

Process Connection:

- A 10K 150A RF, flange JIS B2220
- C 10K 150A FF, flange JIS B2220
- E 20K 150A RF, flange JIS B2220
- G 6" 150lbs RF, flange ANSI B16.5
- J 6" 300lbs RF, flange ANSI B16.5

- L DN150 PN10 B1, flange EN1092-1 (DIN2527 B)
- N DN150 PN25 B1, flange EN1092-1 (DIN2527 B)
- Q 150A 150lbs RF, flange JPI 7S-15
- S 150A 300lbs RF, flange JPI 7S-15
- Y Special version, TSP-no. to be spec.

Pipe Material; Flange Material:

- 2 STPG370; SS400
- 3 SUS304TP; SUS304
- 9 Special version, TSP-no. to be spec.

Bolts, Packing:

- 0 Not used
- 1 SUS304, Walker #6502
- 9 Special version, TSP-no. to be spec.

Pressure Gauge, Relief Valve:

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

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Calibration Chamber NHC4LP

For tank level gauge;
low pressure version.
Maintenance chamber is recommended
for use with tank level gauges
in order to allow maintenance
(removing displacers),
while tank is in service.
Standard chamber is 6" flange,
with bolts&packing for NMS connection.

**NHC4LP-
52004544**

SPK: NSS

Calibration Chamber NHC4LP

Process Connection:

- A 10K 150A RF, flange JIS B2220
- C 10K 150A FF, flange JIS B2220
- G 6" 150lbs RF, flange ANSI B16.5
- L DN150 PN10 B1, flange EN1092-1 (DIN2527 B)
- Q 150A 150lbs RF, flange JPI 7S-15
- Y Special version, TSP-no. to be spec.

Pipe Material; Flange Material:

- 1 AC4A; AC4A
- 3 SUS304TP; SUS304
- 9 Special version, TSP-no. to be spec.

Bolts, Packing:

- 0 Not used
- 1 SUS304, Walker #6502
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Reducing Flange NHF4

The gauge connection of the reducing
flange is always in the same flange
norm like the process connection, but
with 3" resp. DN80 size.
The reducing flange is equipped with
stud bolts only for the gauge connec-
tion side.

**NHF4-
017408-9000**

SPK: NSS

Reducing Flange NHF4

Process Connection:

- A 10K 150A RF, flange JIS B2220
- C 10K 150A FF, flange JIS B2220
- E 20K 150A RF, flange JIS B2220
- G 6" 150lbs RF, flange ANSI B16.5
- J 6" 300lbs RF, flange ANSI B16.5
- L DN150 PN10 B1, flange EN1092-1 (DIN2527 B)
- N DN150 PN25 B1, flange EN1092-1 (DIN2527 B)
- Q 150A 150lbs RF, flange JPI 7S-15
- S 150A 300lbs RF, flange JPI 7S-15
- Y Special version, TSP-no. to be spec.

Flange Material:

- 0 Mild Steel (JIS SS41)
- 1 SUS304
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Ball Valve NHV4J

Standard ball valve with JIS flanges.
For body in mild steel and in SS304,
ball material is SS304. For body in
SS316, ball material is SS316.
Seat material is PTFE.

NHV4J-**017407-9000**

SPK: NSS

Ball Valve NHV4J

Process Connection; Body:

- C11 10K 80A RF; Steel flange JIS B2220
- C12 10K 150A RF; Steel flange JIS B2220
- C21 20K 80A RF; Steel flange JIS B2220
- C22 20K 150A RF; Steel flange JIS B2220
- S11 10K 80A RF; SS316 flange JIS B2220
- S12 10K 150A RF; SS316 flange JIS B2220
- S21 20K 80A RF; SS316 flange JIS B2220
- S22 20K 150A RF; SS316 flange JIS B2220
- H11 10K 80A RF; SS304 flange JIS B2220
- H12 10K 150A RF; SS304 flange JIS B2220
- H21 20K 80A RF; SS304 flange JIS B2220
- H22 20K 150A RF; SS304 flange JIS B2220
- Y99 Special version, TSP-no. to be spec.

Ball Type:

- A Full bore
- B Reduced bore
- Y Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Ball Valve NHV4A

Standard ball valve with ANSI flanges.
Ball material is SS304, seat material is PTFE.

NHV4A-
017406-9000

SPK: NSS

Ball Valve NHV4A

Process Connection; Body:

- C31 3" 150lbs RF; Steel casting flange ANSI B16.5
- C33 3" 300lbs RF; Steel casting flange ANSI B16.5
- C61 6" 150lbs RF; Steel casting flange ANSI B16.5
- C63 6" 300lbs RF; Steel casting flange ANSI B16.5
- S31 3" 150lbs RF; SS304 flange ANSI B16.5
- S33 3" 300lbs RF; SS304 flange ANSI B16.5
- S61 6" 150lbs RF; SS304 flange ANSI B16.5
- S63 6" 300lbs RF; SS304 flange ANSI B16.5
- Y99 Special version, TSP-no. to be spec.

Ball Type:

- A Full bore
- B Reduced bore
- Y Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Temperature Converter RCV-NMT NCT530

Average temperature converter
for existing temperature sensor
RCV1100/1200
HART output to NMS servo gauge.

NCT530-
52013913

SPK: NST

Temperature Converter RCV-NMT NCT530

Converter:

- 6 Integrated type
- 7 External type

Approval:

- 0 Weather proof IP67
- 1 Ex d IIB T4, TIIS
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- B Not selected
- A 2x thread G1/2
- C 2x thread G3/4
- D 2x thread G1/2, G3/4, integrated type
- E 1x gland G1/2, integrated type
- F 1x gland G3/4, integrated type
- Y Special version, TSP-no. to be spec.

Element Type:

- 1 Pt100, MRT
- 2 Pt100, MST
- 3 JPt100, MRT
- 4 JPt100, MST
- 9 Special version, TSP-no. to be spec.

Range:

- 1 -50...+200oC liquid/gas temp.
- 9 Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Prothermo NMT532

Simple temperature measurement for non-custody transfer application.
 Temp. data in HART loop connection to NRF590/NMS5.

**NMT532-
 70104682**
 SPK: NST



Prothermo NMT532

Approval:

- 7 FM IS Cl.I Div.1 Gr.A-D
- 8 CSA IS Cl.I Div.1 Gr.A-D
- B ATEX Ex ia IIB T4-T6
- F IEC Ex ia IIB T2-T6 Ga

Cable Entry:

- B Thread NPT1/2
- D Thread M20

Process Connection:

- 1 2" 150lbs RF, 304 flange ANSI B16.5
- 2 DN50 PN10 B1, 304 flange EN1092-1 (DIN2527 C)
- 9 Special version, TSP-no. to be spec.

Probe Length; Element; Interval:

- 022 xxx mm; 2x Pt100; 2m
- 032 xxx mm; 3x Pt100; 2m
- 042 xxx mm; 4x Pt100; 2m
- 052 xxx mm; 5x Pt100; 2m
- 062 xxx mm; 6x Pt100; 2m
- 023 xxx mm; 2x Pt100; 3m
- 033 xxx mm; 3x Pt100; 3m
- 043 xxx mm; 4x Pt100; 3m
- 053 xxx mm; 5x Pt100; 3m
- 063 xxx mm; 6x Pt100; 3m

Additional Option:

- A Not selected
- B Anchor weight, high profile
- C Anchor weight, low profile
- D Tension wire, wire hook, NPT1 top anchor
- F Tension wire, wire hook, R1 top anchor

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.

Prothermo NMT539

Precision temperature measurement for custody transfer application.
 Water I/F measurement under oil layer
 Both temp. & WB data in single HART loop
 Connection to NMS/NRF590.

**NMT539-
 56004109**
 SPK: NST



Prothermo NMT539

Approval:

- 0 Weather proof, IP65 NEMA4X
- 7 FM IS Cl.I Div.1 Gr.C-D
- 8 CSA IS Cl.I Div.1 Gr.C-D
- B ATEX Ex ia IIB T2-T6
- C TIIS Ex ia IIB T2
- A TIIS Ex ia IIB T4
- E TIIS Ex d (ia) IIB T4
- F IEC Ex ia IIB T2-T6 Ga
- 9 Special version, TSP-no. to be spec.

Application:

- 0 Converter
- 1 Temperature, converter
- 3 Temperature, water bottom, converter
- 4 Temperature, converter, (PTB type approval)
- 5 Temperature, converter, water bottom, (PTB type approval)
- 9 Special version, TSP-no. to be spec.

Temperature Measuring Range:

- 0 Not selected
- 5 -20...+100oC
- 1 -40...+100oC
- 6 -20...+235oC
- 2 -55...+235oC
- 3 -170...+60oC
- 4 -20...+120oC (PTB type approval only)
- 9 Special version, TSP-no. to be spec.

Water Bottom Measuring Range:

- 0 Not selected
- 1 1m/3.3ft
- 2 2m/6.6ft
- 9 Special version, TSP-no. to be spec.

Cable Entry:

- A Thread G1/2
- B Thread NPT1/2
- D Thread M20
- Y Special version, TSP-no. to be spec.

Process Connection:

- 0 10K 50A RF, 316 flange JIS B2220
- 1 2" 150lbs RF, 316 flange ANSI B16.5
- 2 DN50 PN10 B1, 316 flange EN1092-1 (DIN2527 B)
- 3 50A 150lbs RF, 316 flange JPI 7S-15
- 4 Universal coupling, G3/4, (converter only)
- 5 Thread M20 (converter only)
- 9 Special version, TSP-no. to be spec.

Temperature Element:

- A 2x Pt100
- B 3x Pt100
- C 4x Pt100
- D 5x Pt100
- E 6x Pt100
- F 7x Pt100
- G 8x Pt100
- H 9x Pt100
- J 10x Pt100
- K 11x Pt100
- L 12x Pt100
- M 13x Pt100
- N 14x Pt100
- O 15x Pt100
- P 16x Pt100
- Q Not selected

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

Temperature Element Spacing:

- 7 UK standard (converter only)
- 3 1m / 39"
- 2 1.5m / 59"
- 1 2m / 79"
- 5 3m / 118"
- 4 Equally spaced, defined by length
- 6 Not selected
- 9 Special version, TSP-no. to be spec.

Probe Length:

- A xxx mm
- B Not selected
- Y Special version, TSP-no. to be spec.

Mounting Attachment:

- A Not selected
- B Anchor weight, high profile (D120)
- C Anchor weight, low profile (hexagon H41)
- D Tension wire, wire hook, NPT1 top anchor
- F Tension wire, wire hook, R1 top anchor
- Y Special version, TSP-no. to be spec.

>>>Marking: (optional)

- 1 Tagging (TAG), see additional spec.
-