

VEGAPULS63



Approval directive / Scope

None / World-wide
 Shipbuilding / World-wide
 ATEX / Europe
 IEC / World-wide
 FM / USA
 CSA / Canada
 UKR Sepro / Ukraine
 GOST-K/EAC / Kazakhstan
 NEPSI / China
 INMETRO / Brazil
 IA / South Africa
 KOSHA / Korea
 IEC / Australia
 CCOE / India

Approval

XX without
XM Ship approval
CX ATEX II 1G, 1/2G, 2G Ex ia IIC T6
CA ATEX II 1G, 1/2G, 2G Ex ia IIC T6 + WHG
CM ATEX II 1G, 1/2G, 2G Ex ia IIC T6 + Ship approval
CK ATEX II 1G, 1/2G, 2G Ex ia IIC + II 1D, 1/2D, 2D Ex t IIIC
DX ATEX II 1/2G, 2G Ex db ia IIC T5/T6
DA ATEX II 1/2G, 2G Ex db ia IIC T5/T6 + WHG
DM ATEX II 1/2G, 2G Ex db ia IIC T5/T6 + Ship approval
DK ATEX II 1/2G, 2G Ex db ia IIC + II 1D, 1/2D, 2D Ex t IIIC
CI IEC Ex ia IIC T6
DI IEC Ex db ia IIC T6
CK IEC Ex ia IIC Ga, Ga/Gb, Gb + Ex t IIIC T* Da, Da/Db, Db
DK IEC Ex db ia IIC Ga/Gb, Gb + Ex t IIIC T* Da, Da/Db, Db
GX ATEX II 1/2D IP6X T
DI IEC Ex db ia IIC T6
RX ATEX II 1D, 1/2D, 2D Ex t IIIC T* Da, Da/Db, Db
TX ATEX I M2 Ex ia I Mb
JF TIIS Ex ia
JG TIIS Ex d ia
UX FM (NI) CL I, DIV2, GP ABCD
UA FM (NI) CL I, DIV2, GP ABCD + Ship approval
UF FM (IS) CL I, II, III, DIV1, GP ABCDEF
UB FM (IS) CL I, II, III, DIV1, GP ABCDEFG + Ship approval
UG FM (XP-IS) CL I, II, III, DIV1, GP ABCDEFG
UE FM (XP-IS) CL I, II, III, DIV1, GP ABCDEFG + Ship approval
UR FM (DIP) CL I, II, III, DIV1, GP E,F,G
UD FM (XP) CL I, DIV1, GP ABCD, (DIP) CL II, III, DIV1, GP EFG
KX CSA (NI) Cl I, Div 2, Grp A,B,C,D
KF CSA (IS) CL I, II, III, Div 1, Grp A,B,C,D,E,F,G
KR CSA (DIP) CL I, II, III, Div 1, Grp E,F,G
KG CSA (XP-IS) CL I, II, III, Div 1, Grp A,B,C,D,E,F,G

SIL qualification

Without
 with, incl. Safety Manual

Version / Material / Process temperature

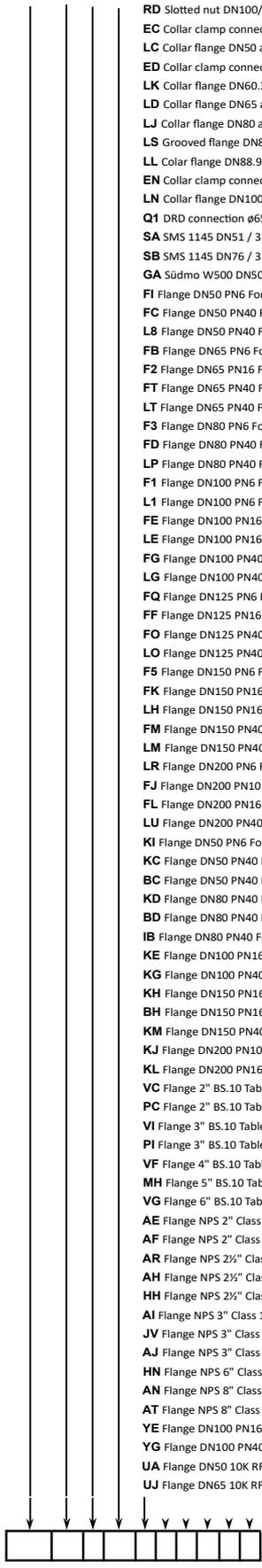
P Hygienically encapsulated horn antenna / TFM-PTFE / -40...+150°C
N Hygienically encapsulated horn antenna / PTFE / -40...+200°C
J Hygienically encapsulated horn antenna / PTFE / -196...+200°C
U Hygienically encapsulated horn antenna / PTFE (8mm) / -196...+200°C
R Hygienically encapsulated horn antenna / PTFE (8mm) / -40...+200°C
L Hygienically encapsulated horn antenna / PFA / -40...+200°C
M Hygienically encapsulated horn antenna / PFA (8mm) / -40...+200°C
V Hygienically encapsulated horn antenna / PTFE and FKM / -20...+130°C
E Hygienically encapsulated horn antenna / PTFE and EPDM / -40...+130°C
A Hygienically encapsulated horn antenna / TFM-PTFE (8mm) / -40...+150°C
W Hygienically encapsulated horn antenna / PCTFE (8mm) / -40...+200°C
F Hygienically encapsulated horn antenna / PFA / -40...+150°C
H Hygienically encapsulated horn antenna / PFA (8mm) / -40...+150°C
K Hygienically encapsulated horn antenna / TFM-PTFE / -40...+150°C (USA)
T Hygienically encapsulated horn antenna / PTFE / -40...+150°C (USA)

Process fitting / Material

CA Clamp 2" PN16 (ø64mm) DIN32676, ISO2852 / 316L
CD Clamp 2½" PN16 (ø77.5mm) DIN32676, ISO2852 / 316L
CB Clamp 3" PN10 (ø91mm) DIN32676, ISO2852 / 316
CE Clamp 3½" PN10 (ø106mm) DIN32676, ISO2852 / 316L
CC Clamp 4" PN10 (ø119mm) DIN32676, ISO2852 / 316L
RA Slotted nut DN50 PN16, DIN11851 / 316L
RC Slotted nut DN65 PN16, DIN11851 / 316L
RB Slotted nut DN80 PN16, DIN11851 / 316L



- RD** Slotted nut DN100/4" PN16, DIN11851 / 316L
- EC** Collar clamp connection DN50 acc. to DIN, Form A, DIN11864-3; for tube 53x1.5 / 316/316L (Ra<0.8µm)
- LC** Collar flange DN50 acc. to DIN, Form A, DIN11864-2; for tube 53x1.5 / 316/316L (Ra<0.8µm)
- ED** Collar clamp connection DN60.3 acc. to ISO, Form A, DIN11864-3; for tube 60.3x2 / 316/316L (Ra<0.8µm)
- LK** Collar flange DN60.3 acc. to ISO, Form A, DIN11864-2; for tube 60.3x2 / 316/316L (Ra<0.8µm)
- LD** Collar flange DN65 acc. to DIN, Form A, DIN11864-2; for tube 70x2 / 316/316L (Ra<0.8µm)
- LJ** Collar flange DN80 acc. to DIN, Form A, DIN11864-2; for tube 85x2 / 316/316L (Ra<0.8µm)
- LS** Grooved flange DN88.9 acc. to ISO, Form A, DIN11864-2; for tube 88.9x2.3 / 316/316L (Ra<0.8µm)
- LL** Collar flange DN88.9 acc. to ISO, Form A, DIN11864-2; for tube 88.9x2.3 / 316/316L (Ra<0.8µm)
- EN** Collar clamp connection DN100 acc. to DIN, Form A, DIN11864-3; for tube 104x2 / 316/316L (Ra<0.8µm)
- LN** Collar flange DN100 acc. to DIN, Form A, DIN11864-2; for tube 104x2 / 316/316L (Ra <0.8µm)
- Q1** DRD connection ø65 mm / 316L
- SA** SMS 1145 DN51 / 316L
- SB** SMS 1145 DN76 / 316L
- GA** Südmo W500 DN50 PN10 / 316/316L (Ra<0.8µm)
- FI** Flange DN50 PN6 Form C, DIN2501 / 316/316L
- FC** Flange DN50 PN40 Form C, DIN2501 / 316/316L
- L8** Flange DN50 PN40 Form V13, DIN2501 / 316/316L
- FB** Flange DN65 PN6 Form C, DIN2501 / 316/316L
- F2** Flange DN65 PN16 Form C, DIN2501 / 316/316L
- FT** Flange DN65 PN40 Form C, DIN2501 / 316/316L
- LT** Flange DN65 PN40 Form V13, DIN2501 / 316/316L
- F3** Flange DN80 PN6 Form C, DIN2501 / 316/316L
- FD** Flange DN80 PN40 Form C, DIN2501 / 316/316L
- LP** Flange DN80 PN40 Form V13, DIN2501 / 316/316L
- F1** Flange DN100 PN6 Form C, DIN2501 / 316/316L
- L1** Flange DN100 PN6 Form V13, DIN2501 / 316/316L
- FE** Flange DN100 PN16 Form C, DIN2501 / 316/316L
- LE** Flange DN100 PN16 Form V13, DIN2501 / 316/316L
- FG** Flange DN100 PN40 Form C, DIN2501 / 316/316L
- LG** Flange DN100 PN40 Form V13, DIN2501 / 316/316L
- FQ** Flange DN125 PN6 Form C, DIN2501 / 316/316L
- FF** Flange DN125 PN16 Form C, DIN2501 / 316/316L
- FO** Flange DN125 PN40 Form C, DIN2501 / 316/316L
- LO** Flange DN125 PN40 Form V13, DIN2501 / 316/316L
- F5** Flange DN150 PN6 Form C, DIN2501 / 316/316L
- FK** Flange DN150 PN16 Form C, DIN2501 / 316/316L
- LH** Flange DN150 PN16 Form V13, DIN2501 / 316/316L
- FM** Flange DN150 PN40 Form C, DIN2501 / 316/316L
- LM** Flange DN150 PN40 Form V13, DIN2501 / 316/316L
- LR** Flange DN200 PN6 Form V13, DIN2501 / 316/316L
- FJ** Flange DN200 PN10 Form C, DIN2501 / 316/316L
- FL** Flange DN200 PN16 Form C, DIN2501 / 316/316L
- LU** Flange DN200 PN40 Form V13, DIN2501 / 316/316L
- KI** Flange DN50 PN6 Form B1, EN1092-1 / 316/316L
- KC** Flange DN50 PN40 Form B1, EN1092-1 / 316/316L
- BC** Flange DN50 PN40 Form E, EN1092-1 / 316/316L
- KD** Flange DN80 PN40 Form B1, EN1092-1 / 316/316L
- BD** Flange DN80 PN40 Form E, EN1092-1 / 316/316L
- IB** Flange DN80 PN40 Form A, EN1092-1 / 316/316L
- KE** Flange DN100 PN16 Form B1, EN1092-1 / 316/316L
- KG** Flange DN100 PN40 Form B1, EN1092-1 / 316/316L
- KH** Flange DN150 PN16 Form B1, EN1092-1 / 316/316L
- BH** Flange DN150 PN16 Form E, EN1092-1 / 316/316L
- KM** Flange DN150 PN40 Form B1, EN1092-1 / 316/316L
- KJ** Flange DN200 PN10 Form B1, EN1092-1 / 316/316L
- KL** Flange DN200 PN16 Form B1, EN1092-1 / 316/316L
- VC** Flange 2" BS.10 Table E / 316/316L
- PC** Flange 2" BS.10 Table F / 316/316L
- VI** Flange 3" BS.10 Table E / 316/316L
- PI** Flange 3" BS.10 Table F / 316/316L
- VF** Flange 4" BS.10 Table E / 316/316L
- MH** Flange 5" BS.10 Table D / 316/316L
- VG** Flange 6" BS.10 Table E / 316/316L
- AE** Flange NPS 2" Class 150 RF, ASME B16.5 / 316/316L
- AF** Flange NPS 2" Class 300 RF, ASME B16.5 / 316/316L
- AR** Flange NPS 2½" Class 150 RF, ASME B16.5 / 316/316L
- AH** Flange NPS 2½" Class 300 RF, ASME B16.5 / 316/316L
- HH** Flange NPS 2½" Class 300 LM, ASME B16.5 / 316/316L
- AI** Flange NPS 3" Class 150 RF, ASME B16.5 / 316/316L
- JV** Flange NPS 3" Class 150 FF, ASME B16.5 / 316/316L
- AJ** Flange NPS 3" Class 300 RF, ASME B16.5 / 316/316L
- HN** Flange NPS 6" Class 300 LM, ASME B16.5 / 316/316L
- AN** Flange NPS 8" Class 150 RF, ASME B16.5 / 316/316L
- AT** Flange NPS 8" Class 300 RF, ASME B16.5 / 316/316L
- YE** Flange DN100 PN16 Form E, GOST 33259-2015 / 316/316L
- YG** Flange DN100 PN40 Form E, GOST 33259-2015 / 316/316L
- UA** Flange DN50 10K RF, JIS / 316/316L
- UJ** Flange DN65 10K RF, JIS / 316/316L



- RU** Flange DN80 5K RF, JIS / 316/316L
- UB** Flange DN80 10K RF, JIS / 316/316L
- UQ** Flange DN80 20K RF, JIS / 316/316L
- UC** Flange DN100 10K RF, JIS / 316/316L
- UI** Flange DN100 20K RF, JIS / 316/316L
- UE** Flange DN150 10K RF, JIS / 316/316L
- UL** Flange DN200 5K RF, JIS / 316/316L
- UF** Flange DN200 10K RF, JIS / 316/316L
- UP** Flange NPS 2" Class 150 RF, JPI / 316/316L
- AA** Flange NPS 2½" Class 150 RF, ASME B16.5 / 316L with groove
- LB** Hygienic fitting with tension flange DN32 PN16 / 316L
- LA** Hygienic fitting F40 PN16; with compression nut / 316L
- DC** Collar connector DN50 acc. to DIN, Form A, DIN11864-1; for tube 53x1.5 / 316/316L (Ra<0.8µm)
- DD** Collar connector DN65 acc. to DIN, Form A, DIN11864-1; for tube 70x2 / 316/316L (Ra<0.8µm)
- LQ** Grooved flange DN76.1 acc. to ISO, Form A, DIN11864-2; for tube 76.1x2 / 316/316L Ra <0.8µm
- TB** Varivent Form F DN25 (1"), D=50mm / 316L
- QB** for NEUMO BioControl D50 PN16 / 316L
- BG** Flange DN100 PN40 Form E, EN1092-1 / 316/316L
- KF** Flange DN125 PN16 Form B1, EN1092-1 / 316/316L
- 5I** Flange NPS 3" Class 150 RF, ASME B16.5 / Alloy 400 (2.4360)
- 5J** Flange NPS 3" Class 300 RF, ASME B16.5 / Alloy 400 (2.4360)
- AZ** Flange NPS 3" Class 600 RF, ASME B16.5 / 316/316L
- 9A** Flange NPS 4" Class 150 RF, ASME B16.5 / 316L provided by customer
- 9B** Flange NPS 4" Class 150 RF, ASME B16.5 / Duplex CR22 (1.4462) provided by customer
- 5K** Flange NPS 4" Class 150 RF, ASME B16.5 / Alloy 400 (2.4360)
- 5L** Flange NPS 4" Class 300 RF, ASME B16.5 / Alloy 400 (2.4360)
- IL** Flange NPS 4" Class 300 RF, ASME B16.5 / Alloy C276 (2.4819)
- AY** Flange NPS 6" Class 600 RF, ASME B16.5 / 316/316L
- AN** Flange NPS 8" Class 150 RF, ASME B16.5 / 316/316L
- UK** Flange DN50 20K RF, JIS / 316/316L
- X1** Flange acc. to customer drawing (Autronica AS) / 316/316L

Electronics

- H** Two-wire 4 ... 20 mA/HART
- D** Two-wire 4 ... 20 mA/HART with increased sensitivity
- P** Two-wire Profibus PA
- K** Two-wire Profibus PA with increased sensitivity
- F** Two-wire Foundation Fieldbus
- L** Two-wire Foundation Fieldbus with increased sensitivity
- 7** Four-wire Modbus (converter in second chamber)
- J** HART and power pack
- 8** Four-wire Modbus with increased sensitivity (converter in second chamber)
- N** HART with increased sensitivity and power pack
- V** Four-wire 4 ... 20 mA/HART
- B** Four-wire 4 ... 20 mA/HART; 90 ... 253 V AC; 50/60 Hz
- I** Four-wire 4 ... 20 mA/HART; 9.6 ... 48 V DC; 20 ... 42 V AC
- E** Four-wire 4 ... 20 mA/HART with increased sensitivity
- G** Four-wire HART 90 ... 253 V AC; 50/60 Hz with increased sensitivity
- M** Four-wire HART 9.6 ... 48 V DC; 20 ... 42 V with increased

Instrument generation

plics®plus

Overvoltage protection of the supply cable

without

with

Address setting

No

Yes

Housing / Protection

- V** Stainless steel single chamber (precision casting) / IP66/IP68 (0.2 bar)
- W** Stainless steel double chamber / IP66/IP68 (0.2 bar)
- K** Plastic single chamber / IP66/IP67
- R** Plastic double chamber / IP66/IP67
- X** Plastic double chamber / IP66/IP67 with M12x1 for VEGADIS 61
- A** Aluminium single chamber / IP66/IP68 (0.2bar)
- 3** Aluminium single chamber / IP66/IP68 (1bar)
- H** Special colour Aluminium single chamber / IP66/IP68 (0.2 bar)
- D** Aluminium double chamber / IP66/IP67
- D** Aluminium double chamber / IP66/IP68 (0.2bar)
- Y** Aluminium double chamber / IP66/IP67 with M12x1 for VEGADIS 61
- S** Special colour Aluminium double chamber / IP66/IP67
- S** Special colour Aluminium 2-chamber/ IP66/IP68 (0.2bar)
- 5** Stainless steel single chamber (precision casting) / IP66/IP68 (1bar)
- 8** Stainless steel single chamber (electropolished) / IP66/IP68 (0.2bar)
- Z** Stainless steel single chamber (electropolished) / IP66/IP68 (0.2bar) / IP69K
- W** Stainless steel double chamber / IP66/IP67
- Q** Stainless steel double chamber / IP66/IP67 with M12x1 for VEGADIS 61



Cable entry / Cable gland / Plug connection

- M** M20x1.5 / with / without
- N** ½NPT / without / without
- M** M20x1.5 / with / without
- D** M20x1.5 / Blind plug / without
- J** ½NPT / with / without
- 9** ½NPT / approved for cable (6...12mm) / without
- C** M20x1.5 / without / plug connector M12x1, assignment A
- B** M20x1.5 / without / Assignment B
- I** M20x1.5 / without / Plug connector acc. to ISO4400
- F** M20x1.5 / without / plug connector Harting HAN 7D (straight)
- G** M20x1.5 / without / plug connector Harting HAN 7D (bent)
- H** M20x1.5 / without / plug connector Harting HAN 8D (straight)
- W** M20x1.5 / without / plug connector Harting HAN 8D (bent)
- E** M20x1.5 / without / without; additional M12x1 connection for VEGADIS
- 6** M20x1.5 / for shielded cable (9...13mm) with strain relief / without
- 7** M20x1.5 / approved for cable (6...12mm) / without
- 8** ½NPT / for shielded cable (9...13mm) with strain relief / without
- Z** ½NPT / without / 7/8NPT

Display/adjustment module PLICSCOM

- X** without
- A** mounted
- F** without; lid with inspection window
- K** mounted; with Bluetooth, magnetic pen operation
- H** mounted, with heating
- B** laterally mounted
- L** laterally mounted; with Bluetooth, magnetic pen operation

Additional equipment

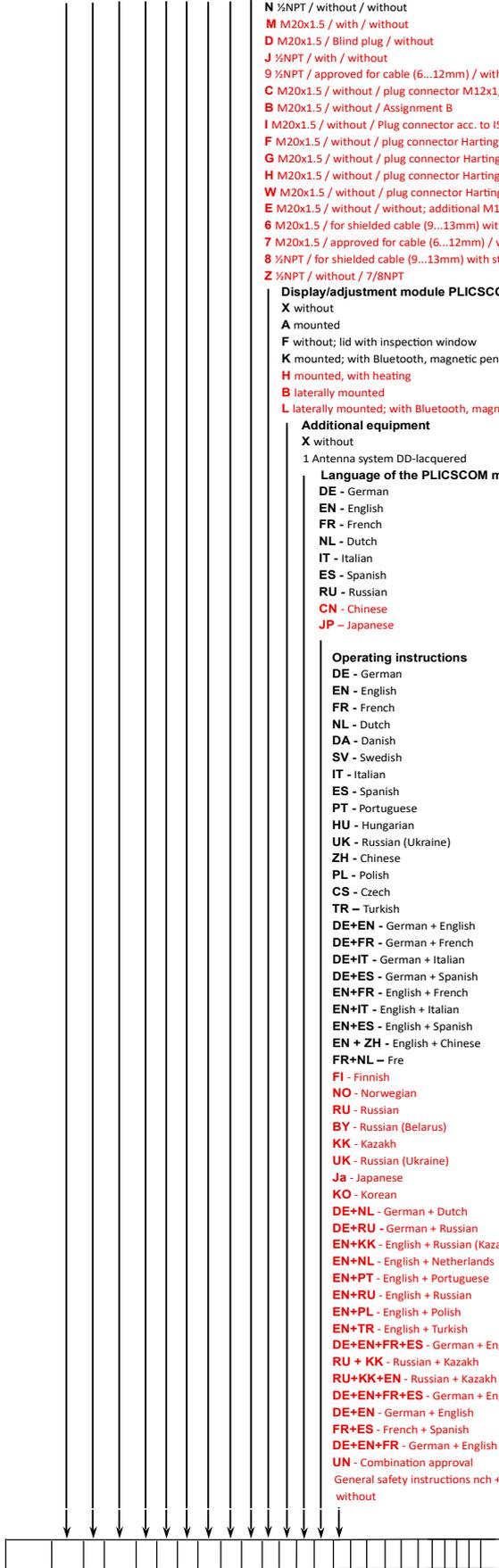
- X** without
- 1 Antenna system DD-lacquered

Language of the PLICSCOM menu

- DE** - German
- EN** - English
- FR** - French
- NL** - Dutch
- IT** - Italian
- ES** - Spanish
- RU** - Russian
- CN** - Chinese
- JP** - Japanese

Operating instructions

- DE** - German
- EN** - English
- FR** - French
- NL** - Dutch
- DA** - Danish
- SV** - Swedish
- IT** - Italian
- ES** - Spanish
- PT** - Portuguese
- HU** - Hungarian
- UK** - Russian (Ukraine)
- ZH** - Chinese
- PL** - Polish
- CS** - Czech
- TR** - Turkish
- DE+EN** - German + English
- DE+FR** - German + French
- DE+IT** - German + Italian
- DE+ES** - German + Spanish
- EN+FR** - English + French
- EN+IT** - English + Italian
- EN+ES** - English + Spanish
- EN + ZH** - English + Chinese
- FR+NL** - Fre
- FI** - Finnish
- NO** - Norwegian
- RU** - Russian
- BY** - Russian (Belarus)
- KK** - Kazakh
- UK** - Russian (Ukraine)
- Ja** - Japanese
- KO** - Korean
- DE+NL** - German + Dutch
- DE+RU** - German + Russian
- EN+KK** - English + Russian (Kazakhstan)
- EN+NL** - English + Netherlands
- EN+PT** - English + Portuguese
- EN+RU** - English + Russian
- EN+PL** - English + Polish
- EN+TR** - English + Turkish
- DE+EN+FR+ES** - German + English + French + Spanish
- RU + KK** - Russian + Kazakh
- RU+KK+EN** - Russian + Kazakh + English
- DE+EN+FR+ES** - German + English + French + Spanish
- DE+EN** - German + English
- FR+ES** - French + Spanish
- DE+EN+FR** - German + English + French
- UN** - Combination approval



Others

Unit: m

Number of operating instructions

1...1000

Max. measuring range

35 m

Additional cleaning procedure

Without

Oil, grease and silicone oil-free (incl. 3.1 Inspection certificate)

Certificate / Standard

(H) 2.2-Factory certificate for material (EN 10204)

(D) 3.1-Inspection certificate for instrument with test data (EN 10204)

(C) 3.1-Inspection certificate for material (EN 10204, NACE MR 0175)

(Q) Quality and Test plan

(H+Q) 2.2-Factory certification for material + Quality and test plan (EN 10204)

(H+D+Q) 2.2-Factory certification for material + 3.1 Inspection certificate with test data + Quality/Test plan (EN 10204)

(D+Q) 3.1 Inspection certificate for test data + Quality and test plan (EN 10204)

(C+D) 3.1-Inspection certificate for material + Instrument with test data (EN 10204, NACE MR 0175)

(C+D+Q) 3.1-Inspection certificate for material + Instrument with test data + Quality and test plan (EN 10204, NACE MR 0175)

(C+Q) 3.1-Inspection certificate for material + Quality and test plan (EN 10204, NACE MR 0175)

(C) 3.1-Inspection certificate for material (EN 10204)

(C+D) 3.1-Inspection certificate for material + Instrument with test data (EN 10204)

(C+D+Q) 3.1-Inspection certificate for material + Instrument with test data + Quality and test plan (EN 10204)

(C+Q) 3.1-Inspection certificate for material + Quality and test plan (EN 10204)

Test certificate

without

Accuracy

High voltage test

without

with, incl. 3.1 Inspection certificate

Low temperature test at -60 °C

without

with, incl. 3.1 Inspection certificate

Durability test more than 360 h

without

with, incl. 3.1 Inspection certificate

Suitable for tropical regions

without

with, all attachment parts of metal (incl. 2.1 Factory certificate)

Supply certificates

with goods

with goods and separately via courier

no choice