

VEGAPULS 65



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
CI IEC Ex ia IIC T6
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
DI IEC Ex db ia IIC T6
GI ATEX Ex t IIIC T* Da, Da/Db, Db
GX ATEX II 1/2D IP6X T
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

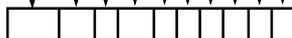
Without
 with, incl. Safety Manual

Version / Material / Process temperature

K Rod antenna for nozzle length: 50mm / PVDF and PTFE / -40...+130°C
L Rod antenna for nozzle length: 100mm / PTFE / -40...+130/+150°C
M Rod antenna for nozzle length: 250mm / PTFE / -40...+130/+150°C

Process fitting / Material

GP Thread G1½ PN3, DIN3852-A / PVDF
NP Thread 1½NPT PN3, ASME B1.20.1 / PVDF
CA Clamp 2" PN3 (ø64mm) DIN32676, ISO2852 / 316L
CB Clamp 3" PN3 (ø91mm) DIN32676, ISO2852 / 316L
CE Clamp 3½"/DN80 PN10 (ø106mm) DIN32676, ISO2852 / 316L
CC Clamp 4"/DN100 PN10 (ø119mm) DIN32676, ISO2852 / 316L
RD Slotted nut 2" / DN50 / 316L
RE Slotted nut 3" / 316L
RC Slotted nut 4" / DN100 / 316L
RB Slotted nut DN80 / 316L
GD Thread G1½ PN16, DIN3852-A / 316L
ND Thread 1½NPT PN16, ASME B1.20.1 / 316L
FC Flange DN50 PN40 Form C, DIN2501 / 316/316L, PTFE-plated
LC Flange DN50 PN40 Form V13, DIN2501 / 316/316L, PTFE-plated
F2 Flange DN65 PN16 Form C, DIN2501 / 316/316L, PTFE-plated
FD Flange DN80 PN40 Form C, DIN2501 / 316/316L, PTFE-plated
LD Flange DN80 PN40 Form V13, DIN2501 / 316/316L, PTFE-plated
F1 Flange DN100 PN6 Form C, DIN2501 / 316/316L, PTFE-plated
FE Flange DN100 PN16 Form C, DIN2501 / 316/316L, PTFE-plated
LE Flange DN100 PN16 Form V13, DIN2501 / 316/316L, PTFE-plated
FG Flange DN100 PN40 Form C, DIN2501 / 316/316L, PTFE-plated
LG Flange DN100 PN40 Form V13, DIN2501 / 316/316L, PTFE-plated



- F5** Flange DN150 PN6 Form C, DIN2501 / 316/316L, PTFE-plated
- FK** Flange DN150 PN16 Form C, DIN2501 / 316/316L, PTFE-plated
- LH** Flange DN150 PN16 Form V13, DIN2501 / 316/316L, PTFE-plated
- KC** Flange DN50 PN40 Form B1, EN1092-1 / 316/316L, PTFE-plated
- KD** Flange DN80 PN40 Form B1, EN1092-1 / 316/316L, PTFE-plated
- KE** Flange DN100 PN16 Form B1, EN1092-1 / 316/316L, PTFE-plated
- KH** Flange DN150 PN16 Form B1, EN1092-1 / 316/316L, PTFE-plated
- AE** Flange NPS 2" Class 150 RF, ASME B16.5 / 316/316L, PTFE-plated
- AF** Flange NPS 2" Class 300 RF, ASME B16.5 / 316/316L, PTFE-plated
- AI** Flange NPS 3" Class 150 RF, ASME B16.5 / 316/316L, PTFE-plated
- AJ** Flange NPS 3" Class 300 RF, ASME B16.5 / 316/316L, PTFE-plated
- AK** Flange NPS 4" Class 150 RF, ASME B16.5 / 316/316L, PTFE-plated
- AL** Flange NPS 4" Class 300 RF, ASME B16.5 / 316/316L, PTFE-plated
- AM** Flange NPS 6" Class 150 RF, ASME B16.5 / 316/316L, PTFE-plated
- AO** Flange NPS 6" Class 300 RF, ASME B16.5 / 316/316L, PTFE-plated
- UA** Flange DN50 10K RF, JIS / 316/316L, PTFE-plated
- UB** Flange DN80 10K RF, JIS / 316/316L, PTFE-plated
- UC** Flange DN100 10K RF, JIS / 316/316L, PTFE-plated
- UE** Flange DN150 10K RF, JIS / 316/316L, PTFE-plated

Electronics

- H** Two-wire 4 ... 20 mA/HART
- 7** Four-wire Modbus (converter in second chamber)
- 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
- P** Two-wire Profibus PA
- F** Two-wire Foundation Fieldbus
- J** HART and power pack
- V** Four-wire 4 ... 20 mA/HART

Instrument generation

plics*plus

Overvoltage protection of the supply cable

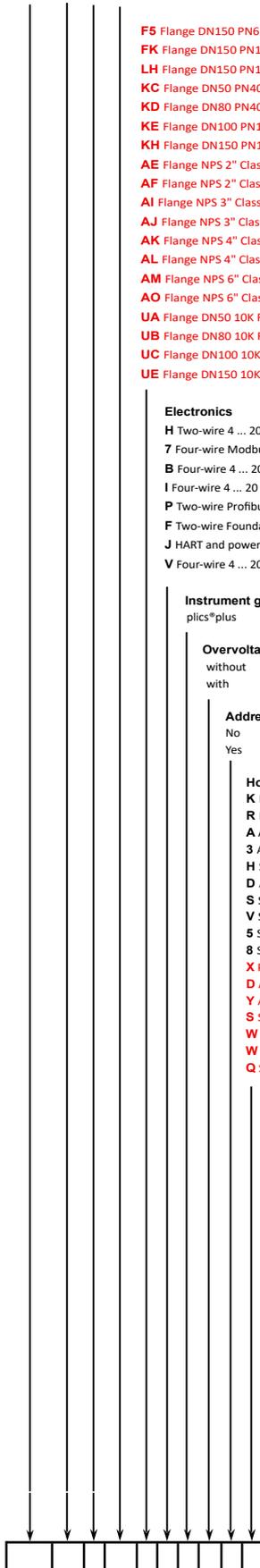
- without
- with

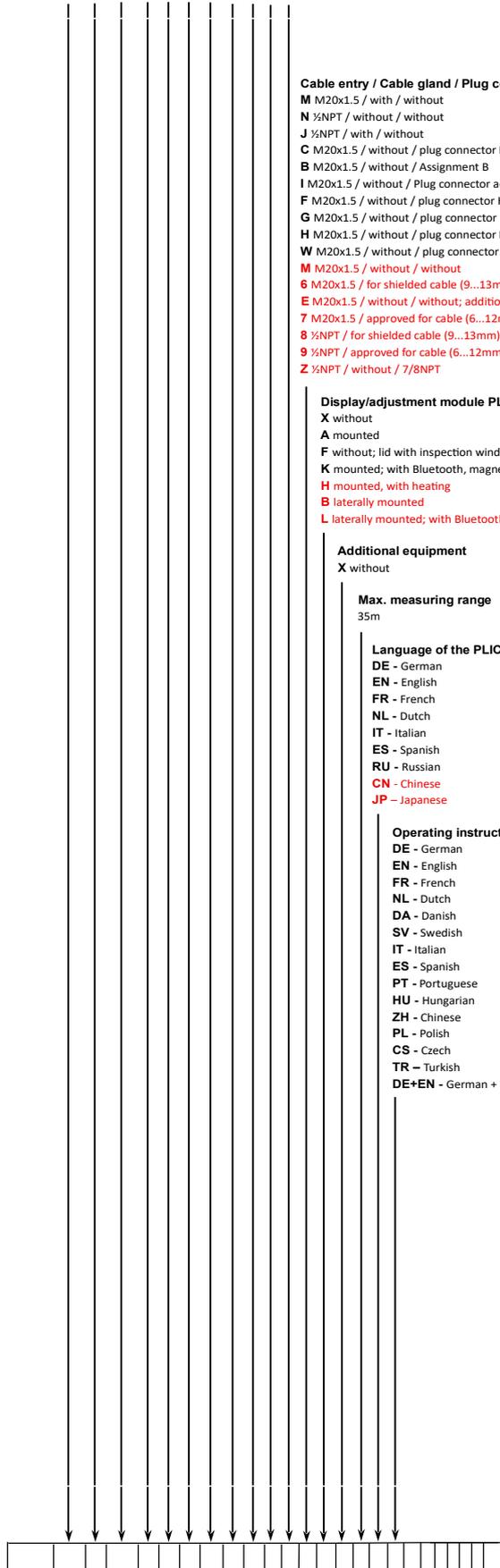
Address setting

- No
- Yes

Housing / Protection

- K** Plastic single chamber / IP66/IP67
- R** Plastic double chamber / IP66/IP67
- A** Aluminium single chamber / IP66/IP68 (0.2bar)
- 3** Aluminium single chamber / IP66/IP68 (1bar)
- H** Special colour aluminum single chamber / IP66/IP68 (0.2 bar)
- D** Aluminium double chamber / IP66/IP68 (0.2bar)
- S** Special colour Aluminium 2-chamber/ IP66/IP68 (0.2bar)
- V** Stainless steel single chamber (precision casting) / IP66/IP68 (0.2 bar)
- 5** Stainless steel single chamber (precision casting) / IP66/IP68 (1bar)
- 8** Stainless steel single chamber (electropolished) / IP66/IP68 (0.2bar)
- X** Plastic double chamber / IP66/IP67 with M12x1 for VEGADIS 61
- D** Aluminium double chamber / IP66/IP67
- Y** Aluminium double chamber / IP66/IP67 with M12x1 for VEGADIS 61
- S** Special colour Aluminium double chamber / IP66/IP67
- W** Stainless steel double chamber / IP66/IP67
- W** Stainless steel double chamber / IP66/IP68 (0.2 bar)
- 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
- J** ½NPT / with / 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)
- M** M20x1.5 / without / without
- 6** M20x1.5 / for shielded cable (9...13mm) with strain relief / without
- E** M20x1.5 / without / without; additional M12x1 connection for VEGADIS
- 7** M20x1.5 / approved for cable (6...12mm) / without
- 8** ½NPT / for shielded cable (9...13mm) with strain relief / without
- 9** ½NPT / approved for cable (6...12mm) / 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

Max. measuring range

35m

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
- ZH** - Chinese
- PL** - Polish
- CS** - Czech
- TR** - Turkish
- DE+EN** - German + English

Others

Unit: m

Number of operating instructions

1...1000

Additional cleaning procedure

Without

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

Certificate / Standard

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

(Q) Quality and Test plan

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

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

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

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

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