



VEGAFLEX 61



TDR sensor for continuous level measurement

Application area

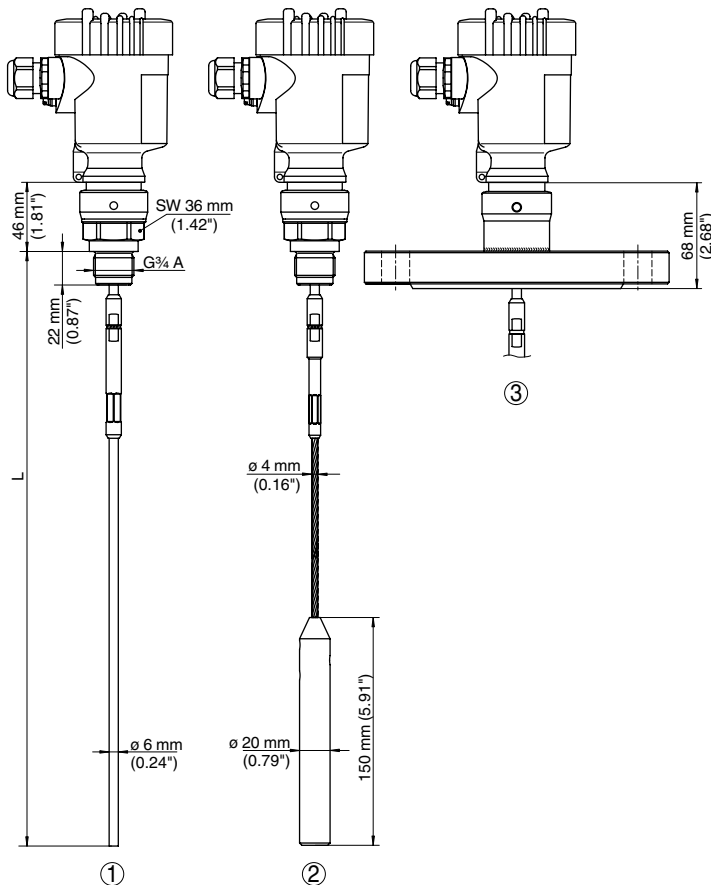
VEGAFLEX 61 is a level sensor for continuous level measurement. It is suitable for liquids and light bulk solids in practically all areas of industry. Typical applications are measurements of liquids in storage vessels or bypass tubes. The sensor can be also used in smaller bulk solid silos. All instruments are preset to the ordered probe length.

Advantages

- Simple setup without adjustment
- Unaffected by product properties
- Insensitive against dust, vapour, buildup and condensation
- Wear and maintenance-free
- High measuring accuracy
- SIL qualified

Function

High frequency microwave pulses are coupled onto a cable or rod and guided along the probe. The pulses are reflected by the product surface. The time from emission to reception of the signals is proportional to the level in the vessel.



- 1 Rod version
- 2 Cable version
- 3 Flange version

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
- CI IEC Ex ia IIC T6
- DX ATEX II 1/2G, 2G Ex d ia IIC T6**
- DI IEC Ex d ia IIC T6
- GX ATEX II 1/2 D, 2D IP6X T

Version / Material

- A Exchangeable cable ø4 mm with gravity weight / 316**
- C Exchangeable rod ø6 mm / 316L

Process fitting / Material

- GB Thread G¾A (DIN 3852-A) PN40 / 316L
- NB Thread ¾NPT (ASME B1.20.1) PN40 / 316L**
- GC Thread G1A (DIN 3852-A) PN40 / 316L
- NC Thread 1NPT (ASME B1.20.1) PN40 / 316L
- GD Thread G1½A (DIN 3852-A) PN40 / 316L
- ND Thread 1½NPT (ASME B1.20.1) PN40 / 316L
- FA Flange DN25PN40 Form C, DIN2501 / 316L
- FB Flange DN40PN40 Form C, DIN2501 / 316L
- FC Flange DN50PN40 Form C, DIN2501 / 316L
- FD Flange DN80PN40 Form C, DIN2501 / 316L
- AA Flange 1" 150lb RF, ANSI B16.5 / 316L
- AE Flange 2" 150lb RF, ANSI B16.5 / 316L
- AI Flange 3" 150lb RF, ANSI B16.5 / 316L

Seal / Process temperature

- 1 FKM (Viton) / -40...150°C
- 2 FFKM (Kalrez 6375) / -20 ... 150 °C**
- 3 EPDM / -40...150°C

Electronics

- H Two-wire 4...20mA/HART®**
- V Four-wire 4...20mA/HART®
- P Profibus PA
- F Foundation Fieldbus

Housing / Protection

- K Plastic / IP66/IP67
- A Aluminium / IP66/IP68 (0.2bar)
- D Aluminium double chamber / IP66/IP68 (0.2bar)**
- 8 StSt (electropolished) 316L / IP66/IP68 (0.2bar)
- W StSt double chamber / IP66/IP68 (0.2bar)
- R Plastic double chamber / IP66/IP67

Cable entry / Cable gland / Plug connection

- M M20x1.5 / with / without
- N ½NPT / without / without**

Indicating/adjustment module (PLICSCOM)

- X Without**
- A mounted

Additional equipment

- X without**

FX61.	DX	A	NB	2	H	D	N	X	X
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Length (from seal surface)

Cable ø4 mm/316 (1000-32000 mm) per 100 mm
 Rod ø6 mm/316L (300-4000 mm) per 100 mm



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.