



## VEGAFLEX 66



### TDR sensor for continuous level measurement

#### Application area

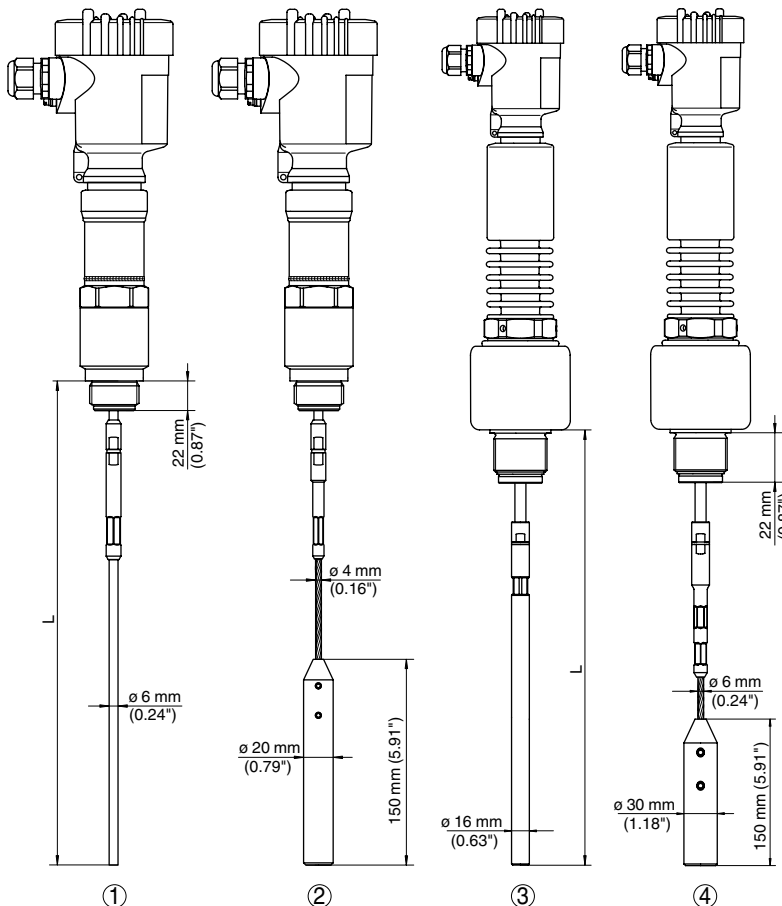
VEGAFLEX 66 is a level sensor in coax, rod or cable version for continuous level measurement in applications with high pressures and temperatures. It is designed for industrial use in all areas of process technology. All instruments are preset to the ordered probe length.

#### 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 Version – -20 ... +250 °C – rod
- 2 Version – -20 ... +250 °C – cable
- 3 Version – -200 ... +400 °C – rod
- 4 Version – -200 ... +400 °C – cable

**Approval**

- XX** without .....
- CX** ATEX II 1G, 1/2G, 2G Ex ia IIC T6 .....
- CA** ATEX II 1G, 1/2G, 2G Ex ia IIC T6 + WHG .....
- CI** IEC Ex ia IIC T6 .....
- DX** ATEX II 1/2G, 2G Ex d ia IIC T6 .....
- DA** ATEX II 1/2G, 2G Ex d ia IIC T6 + WHG .....
- DI** IEC Ex d ia IIC T6 .....

**Version / Material / Process temperature**

- S** Exchangeab. cable ø4mm,gravity weight/316/-20..250°C .....
- C** Exchangeable rod ø6mm / 316L / -20...250°C .....
- A** Coaxial probe (w. multiple boring) / 316L / -20...250°C .....
- U** Exchangeab. cable ø6mm,gravity weight/316 /-200..400°C .....
- I** Exchangeable rod ø16mm / 316L / -200...400°C .....
- M** Coaxial probe (w.mult.vent. hole) / 316L/-200...400°C .....

**Process fitting / Material**

- GB** Thread G¾A (DIN 3852-A) PN100 / 316L .....
- NB** Thread ¾NPT (ASME B1.20.1) PN100 / 316L .....
- GC** Thread G1A (DIN 3852-A) PN100 / 316L .....
- NC** Thread 1NPT (ASME B1.20.1) PN100 / 316L .....
- GD** Thread G1½A (DIN 3852-A) PN100 / 316L .....
- ND** Thread 1½NPT (ASME B1.20.1) PN100 / 316L .....
- GS** Thread G1½A (DIN 3852-A) PN400 / 316L .....
- NS** Thread 1½NPT (ASME B1.20.1) PN400 / 316L .....
- FB** Flange DN40PN40 Form C, DIN2501 / 316L .....
- FC** Flange DN50PN40 Form C, DIN2501 / 316L .....
- FD** Flange DN80PN40 Form C, DIN2501 / 316L .....
- AE** Flange 2" 150lb RF, ANSI B16.5 / 316L .....
- AI** Flange 3" 150lb RF, ANSI B16.5 / 316L .....

**Seal**

- 2** FFKM (Kalrez 6375) .....
- H** Graphite .....

**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 .....



**Length (from seal surface)**

- Cable ø4 mm/316 (1000-32000 mm) per 100 mm
- Cable ø6 mm/316 (1000-32000 mm) per 100 mm
- Rod ø6 mm/316L (300-4000 mm) per 100 mm
- Rod ø16 mm/316L (300-4000 mm) per 100 mm
- Coax -20...250°C/316L (300-6000 mm) per 100 mm
- Coax -200...400°C/316L (300-6000 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.



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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.