PROGAP 2.0-BS

LEVEL MONITORING **WITH FILLING-SIGNAL-RECOGNITION**

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Elevating standards. For life.

The ProGap 2.0-BS provides correct level detection even if there is a filling process which interrupts the field between transmitter and receiver.

SPECIFIC **FEATURES**

- Absolute insensitive to material caking
- Can be used up to a profile of 25 m (larger profiles on request)
- Can be used with adapter up to 220°C and 20 bar
- Flow/NoFlow and level signalling possible

- With ceramic mounting, usable up to 1.000°C
- Detection through non-conductive walls
- Extra short sensor with separate analysis unit

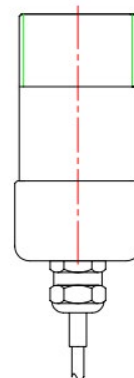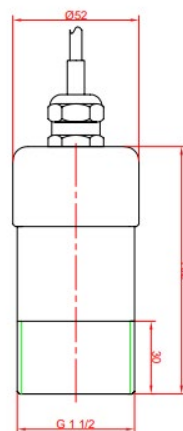certified to ATEX

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TECHNICAL **SPECIFICATIONS**

Sensor

Material	Housing: Stainless steel 1.4571 Sensor-Isolation: POM
Protective system	IP65
Using in Ex-zones	Cat. 3D ⟨Ex⟩ II 3D Ex tc IIIC T85°C Dc
Dimensions ProGap 2.0-BS	Housing: L 107 mm / 52 mm Thread: L 30 mm / G½
Dimensions ProGap 2.0-BS Ex	Housing: L 155 mm / 60 mm Thread: L 30 mm / G½
Process temperature	20 … +80°C 20 … +220°C (with process adapter) max. 1000°C (with ceramic flange)
Ambient temperature	20 … +60°C
Working pressure	max. 1 bar max. 20 bar (with process adapter)
Detection range: Level	0.1 … 25 m / >25 m (on request)
Detection range: Flow	0.1 … 12.5 m / >12.5 m (on request)
Power supply	24 V DC powered by DIN Rail electronic
Power consumption	approx. 20 VA
Current consumption	max. 850 mA
Measuring frequency	K-Band 24.125 Ghz (± 100 MHz)
Transmitting power	max. 5 mW
Cable gland	M16 (5-10 mm)
Weight: 2.0-BS	approx. 560 g
Weight: 2.0-BS Ex	approx. 880 g

Din Rail electronic

Power supply	24 V DC ± 10%
Power consumption	3.5 W
Current consumption	120 mA à 24 V
Relay contact	Max. rated load: 250 V AC Max. peak current: 6 A Max. rated load 230 V AC: 250 VA Max. breaking capacity DC1: 3/110/220 V: 3/0.35/0.2 A Min. switching load: 500 mW (10 V/5 mA)
Fall-delay time	0.25 … 5 s (continuously adjustable)
Weight	approx. 172 g
Protective system	IP40

	Pressure adapter	Temperature adapter	Food adapter	High temperature adapter
Material	Stainless steel 1.4571 POM diaphragm	Stainless steel 1.4571 Tecapeek diaphragm	Stainless steel 1.4571 Tecapeek GF30 diaphragm	Steel Ceramic diaphragm
Temperature	-20 … +80°C	Max. +220°C	Max. +220°C	Max. 1000°C
Pressure	Max. 20 bar	Max. 20 bar	Max. 20 bar	Max. 40 bar
Thread	G 1½" on both sides	G 1½" on both sides	G 1½" on both sides	G 1½" on sensor side
Wrench width	55 mm	55 mm	55 mm	17 mm

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