

## Product No: 5111003FNI1880N00H01000

**BD SENSORS 5111003FNI1880N00H01000XMPI**  
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### FEATURES

- Two chamber aluminium die cast case or stainless field housing.
- Internal or flush welded diaphragm.
- HART®-communication.
- Explosion protection intrinsic safety.

#### General Information

Brand	BD SENSORS
Product Series	XMP i
Product Type	Stainless Steel Sensor
Version	Standard

#### Technical Attributes

Accuracy	0.1 % FSO
Application	Preferred areas of use are: Oil and gas industry / chemical and petrochemical industry. Food / pharmaceutical industry.
Electrical Connection	Terminal clamp field housing.
Electrical Protection	Short-circuit protection: Permanent, Reverse polarity protection: No damage, but also no function, Electromagnetic compatibility: emission and immunity according to EN 61326.
Input Pressure (bar)	0 ... 100
Mechanical Connection	Standard pressure connections: 1/2" NPT
Mechanical Stability	Vibration: 5 g RMS (25 ... 2000 Hz) according to DIN EN 60068-2-6. Shock: 100 g / 11 msec according to DIN EN 60068-2-27.
Operational Life	100 million load cycles
Output Signal	Intrinsic safety (ia) 4 ... 20 mA / 2-wire with HART®-communication
Permissible Temperatures	Medium: -40 ... 125 °C for filling fluid silicone oil, -10 ... 125 °C for filling fluid food compatible oil.

Environment: -40 ... 85 °C without display, -20 ... 70 °C with display.

Storage: -40 ... 80 °C without display, -30 ... 80 °C with display.

Response Time (ms)	100 (Without consideration of electronic damping)
Seals	Without

### Physical Attributes

Design	Stainless steel field housing without display.
Diaphragm Material	Hastelloy® [Only possible with process connections].
Filling Fluid Type	Silicone Oil

### Resources

Product catalogue (Flipbook)	<a href="#">Download from here</a>
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