

Product No: 5111003FNI1880N00111000

**BD SENSORS XMPI SS PRESSURE0...100BAR 4...20MA HART1/2"
NPT 316L WITHOUT DISPLAY 5111003FNI1880N00111000**

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

FKM

Physical Attributes

Design

Stainless steel field housing without display.

Diaphragm Material

Stainless steel 1.4435 (316L)

Filling Fluid Type

Silicone Oil

Resources

Product catalogue (Flipbook)

[Download from here](#)