

Product No: 5112001A011AK0Z00171200

**BD SENSORS XMPI PRECISION PRES ALUM HOUSING,2 WIRE
HART COMMS XMPI,SILICON OIL,WITH DISPLAY
5112001A011AK0Z00171200**

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	With cooling element up to 300 °C [Only possible with process connections].

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 alu 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 ... 2
Mechanical Connection	Standard pressure connections: G1/2" with flush welded diaphragm (DIN 3852) [Only possible for pN ≥ 1 bar up to 40 bar].
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	FFKM [Min. permissible temperature from -15 °C, possible for nominal pressure ranges pN ≤ 100 bar].

Physical Attributes

Design	Aluminium die cast case with display.
Diaphragm Material	Stainless steel 1.4435 (316L)
Filling Fluid Type	Silicone Oil

Resources

Product catalogue (Flipbook)	Download from here
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