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BL05KPSBG



Actual product appearance may vary.

BL Series Flush Mount Stainless Steel Pressure Sensor, 4 mA to 20 mA Output, Sealed Gage, 0 psi to 5,000 psi, Item Number 9243107

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Features

1.0% accuracy
 Flush diaphragm
 Wide choice of pressures ranges available
 Absolute models available
 For critical applications
 Easily cleaned/adaptable
 Wide range of application
 Can measure vacuum

Potential Applications

Depth sensing
 Water resource management
 Process control
 Marine instrumentation
 Chemical manufacture
 Paint spraying
 Tank/liquid level

Description

The BL pressure transmitter has a conventional 4 mA to 20 mA output and is available with accuracies to 0.25%. It has Factory Mutual approval as an intrinsically safe device* for use in hazardous areas Class I, Division I, Groups A through G.

All PSIS or PSIA BL's are hermetically sealed. The pressure sensitive diaphragm is either 316L or 15-5 stainless steel, depending on the pressure range selected. The BL's flush diaphragm is especially suited to measuring viscous fluids, slurries, and media where system flushing is necessary. It may also be mounted in an adapter for more conventional installations. The overall price/performance ratio makes this an ideal choice for many process environments.

*When used with approved barriers.

Supporting Documentation

[Dimensions and Circuitry](#)

[Documentation](#)

Product Specifications	
Measurement Type	Sealed Gage
Signal Conditioning	Amplified
Pressure Range	0 psi to 5,000 psi
Supply Voltage	12.0 Vdc to 30.0 Vdc
Maximum Overpressure	10,000 psi
Burst Pressure	25,000 psi
Port Style	Flush Diaphragm
Temperature Compensation	Yes
Output Type	4 mA to 20 mA
Protection Circuitry	Reverse Polarity
Accuracy	1.0% full scale BFSL
Response Time	less than 0.5 ms
Insulation Resistance	1000 Mohms @ 50 Vdc max.
Output Calibration	Yes
Termination Type	Bendix Connector
Weight	70 grams [2.5 ounces]
Full Scale Span	16 mA ± 0.16 mA
Operating Temperature Range	-40 °C to 82 °C [-40 °F to 180 °F]
Compensated Temperature Range	-1 °C to 54 °C [30 °F to 130 °F]
Storage Temperature Range	NO IDEA SHARED FORMULA EXP PTG
Media Compatibility	Limited only to those media which will not attack 15 -5PH stainless steel
Approvals	FM IS with Appropriate Barriers
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Availability	Global
Series Name	BL

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