



Home> Products > Stainless Steel Media Isolated> BL > Product Page

BLH03KPSBG



Actual product appearance may vary.

BL Series Flush Mount Stainless Steel Pressure Sensor, 4 mA to 20 mA Output, Sealed Gage, 0 psi to 3,000 psi, Item Number 9243206

Features

- Accuracies to 0.25%
- 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 3,000 psi  |
| Supply Voltage                | 12.0 Vdc to 30.0 Vdc  |
| Maximum Overpressure          | 6,000 psi   |
| Burst Pressure                | 15,000 psi  |
| Port Style                    | Flush Diaphragm   |
| Temperature Compensation      | Yes   |
| Output Type                   | 4 mA to 20 mA   |
| Protection Circuitry          | Reverse Polarity  |
| Accuracy                      | 0.25% 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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