



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

### Order Product and Get Support

- U.S. Authorized Distributors
- Global Sales & Service
- N. American Sales Reps
- Distributor Inventory
- Technical Assistance
- White Papers
- Literature Request
- Test and Measurement Catalog
- RoHS Product List
- Customer Feedback



Actual product appearance may vary.

## BLH500PSBG

**BL Series Flush Mount Stainless Steel Pressure Sensor, 4 mA to 20 mA Output, Sealed Gage, 0 psi to 500 psi, Item Number 9243203**

### 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 500 psi
Supply Voltage	12.0 Vdc to 30.0 Vdc
Maximum Overpressure	1,000 psi
Burst Pressure	2,500 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

### My Links

[Login to iCOM](#)  
[Login as Rep/AD](#)  
[Login as Guest](#)  
[Login to Digital University](#)

### Keyword Search

Search for product and support information.

All Sensing and Control

### Product Search

Part number search:

Use (\*) to expand search

### Specification Search