










B14-101-DP

## Pressure Differential Monitor

The Pressure Differential Monitor is designed for high performance applications such as those found in critical medical and pharmaceutical environments. The very low differential pressure transducer is offered in a din rail or a base mount version and features easy to access pressure ports and electrical connections. Pressure ranges are available as low as 0.1 in W.C. up to 10 in. W.C full scale. The pressure transducers sense differential or gauge (static) pressure and convert this pressure difference to a proportional high level analog output for both unidirectional and bidirectional pressure ranges, with choice of  $\pm 0.25\%$ ,  $\pm 0.50\%$  or  $\pm 1.0\%$  full scale accuracy. In addition, the low differential pressure transducer can be configured with an optional visual display for local viewing.








### Unidirectional

From zero to positive differential pressure

 B14-101-DP010U	0 to 0.1 inWC
 B14-101-DP025U	0 to 0.25 inWC
 B14-101-DP050U	0 to 0.5 inWC
 B14-101-DP100U	0 to 1 inWC
 B14-101-DP250U	0 to 2.5 inWC
 B14-101-DP500U	0 to 5 inWC
 B14-101-DP1000U	0 to 10 inWC

### Bidirectional

From negative to positive differential pressure

 B14-101-DP005B	-0.05 to +0.05 inWC
 B14-101-DP010B	-0.1 to +0.1 inWC
 B14-101-DP025B	-0.25 to +0.25 inWC
 B14-101-DP050B	-0.5 to +0.5 inWC
 B14-101-DP100B	-1 to +1 inWC
 B14-101-DP250B	-2.5 to +2.5 inWC
 B14-101-DP500B	-5 to +5 inWC

## B14-101-DP Product Specifications

<b>Pressure Accuracy</b>	+/- 0.5% full scale non-repeatability: 0.05% FS Span shift: 0.02% / °F FS Long term stability: 0.5% FS per year
<b>Certifications</b>	CE
<b>Features</b>	Display
<b>Input Power</b>	14Voc to 30Voc
<b>Dimensions</b>	5.9" (h) x 3.7" (w) x 1.3"
<b>Operating Environment</b>	-20°F to 160°
<b>Mechanical</b>	3/16" O.D. barbed fittings on a removable process head. Both the positive (high) pressure port and the reference (low) pressure port are located on the top of the unit, labeled "+" (High) and "-" (Low) respectively. For best results (shortest response times), 3/16" I.D. tubing is suggested for tubing lengths up to 100 feet long, 1/4" I.D. for tubing lengths up to 300 feet, and 3/8" I.D. for tubing lengths up to 900 feet.
<b>Warranty</b>	1 year Warranty