



### DESCRIPTION

The Ashcroft **XLdp Series Differential Pressure Transmitters** are an industrial-quality differential air pressure transmitter for use with air and other noncorrosive gases. The **XLdp** models are available in ranges from 0.1" to 25" W.C. and can withstand up to 10 psid overpressure.

### FEATURES

- *Reliable, stable capacitive sensor*
- *Low-range models down to  $\pm 0.05"$  W.C.*
- *Positive or bidirectional ranges available*
- *Reverse polarity protected*
- *High proof pressure*
- *Includes NIST certificate*

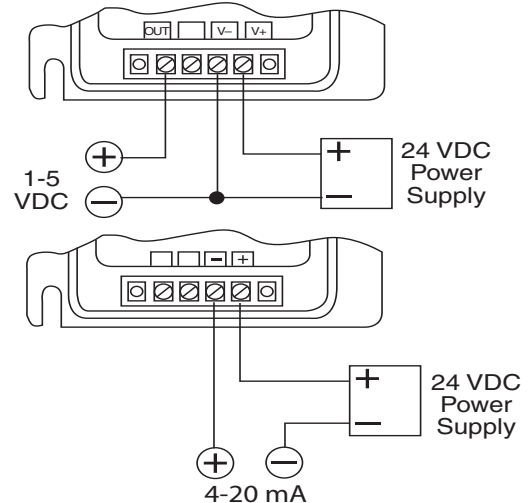
XLdp



### SPECIFICATIONS

Supply voltage	12-36 VDC
Accuracy	0.25% or 0.5%
Stability	$\pm 0.5\%$ FS/yr
Response time	250 ms
Analog output	4-20 mA, 1-5 VDC
Maximum mA load	545 $\Omega$ @ 24 VDC, up to 1045 $\Omega$ @ 36 VDC
Overpressure	
Proof	10 psid (69 kPa)
Burst	25 psig (172 kPa)
Service	Air and non-corrosive gases
Operating temp range	-20° to 160°F (-29° to 71°C)
Compensated temp range	35° to 135°F (2° to 57°C)
Operating humidity	10% to 95% RH non-condensing
Dimensions	4.5"W x 4.4"H x 1.8"D (11.6 x 11.1 x 4.7 cm)
Weight	14.0 oz (0.4 kg)
Warranty	1 year

### WIRING



### ORDERING INFORMATION

MODEL	DESCRIPTION
<b>XL</b>	XLdp differential pressure transmitter
<b>3</b>	0.25% accuracy
<b>5</b>	0.50% accuracy
<b>MB2</b>	1/4" barbed stainless steel fittings
<b>42</b>	4-20 mA signal output
<b>15</b>	1-5 VDC signal output
<b>ST</b>	Electrical termination
<b>PRESSURE RANGE "W.C.</b>	
<b>P1IW</b>	0-0.1
<b>P25IW</b>	0-0.25
<b>P5IW</b>	0-0.5
<b>1IW</b>	0-1.0
<b>2IW</b>	0-2.0
<b>2P5IW</b>	0-2.5
<b>3IW</b>	0-3.0
<b>5IW</b>	0-5.0
<b>10IW</b>	0-10.0
<b>P05IWL</b>	$\pm 0.05$
<b>P1IWL</b>	$\pm 0.1$
<b>P25IWL</b>	$\pm 0.25$
<b>P5IWL</b>	$\pm 0.5$
<b>1IWL</b>	$\pm 1.0$
<b>2IWL</b>	$\pm 2.0$
<b>2P5IWL</b>	$\pm 2.5$
<b>3IWL</b>	$\pm 3.0$
<b>5IWL</b>	$\pm 5.0$
<b>10IWL</b>	$\pm 10.0$

**XL 3 MB2 42 ST P1IWL** Example: XL-3-MB2-42-ST-P1IWL Differential pressure transmitter with 0.25% accuracy that measures from -0.1" to 0.1" W.C. with a 4-20 mA output