



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. They are highly accurate and available in accuracies of 0.25% and 0.50%.

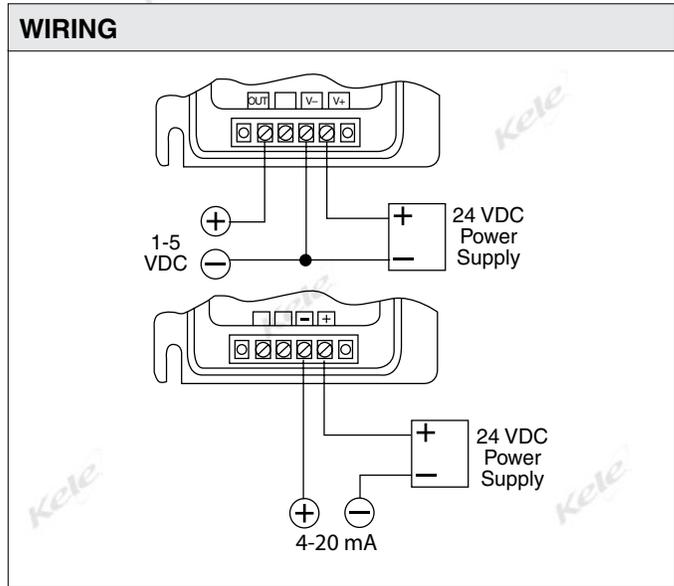
FEATURES

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



XLDP Series

SPECIFICATIONS	
Supply Voltage	12 to 36 VDC @ 21.5 mA
Current Output	12 to 36 VDC @ 6 mA
Volts Output	12 to 36 VDC @ 6 mA
Accuracy	±0.5% or ±0.25% Full scale (NIST included)
Signal Output	1-5V @ 10KΩ, 4-20mA @ 545Ω (loop powered)
Sensor Type	Capacitive
Adjustments	(Z/S) Zero ±10% & Span ±10% trim POTs
Normal Measurement Range	0 to 10"WC, Uni- or Bi- Directional
Overpressure	(Burst) ±25 psid (172.4 kPa)
Max Operating Pressure	(Proof) ±15psid, (±103 kPa)
Operating Temperature	35 to 135°F (2 to 57°C)
Operating Humidity	10 to 95% Non-condensing
Wetted Parts	Silicone
Media Compatibility Inert	Dry air
Process Connection	3/16" OD brass, for 1/4" OD tubing
Wiring	5 Exposed terminals 2-(4-20mA), 3-(Volts)
Mounting	2, #10 screws (horizontal position)
Enclosure Rating	Stainless steel, NEMA 2
Dimensions	4.2"W x 4.6"H x 1.9"D, (10.7 x 11.7 x 4.8 cm)
Weight	0.9 lb (0.4 Kg)
Approvals	CE
Warranty	3 years



ORDERING INFORMATION

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

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

RELATED PRODUCTS

- A-301-K** Duct static pressure tip, 1/4" compression
- A-302-K** Duct static pressure tip, 1/4" barb
- A-308-K** Duct static pressure fitting, 1/4" barb
- A-345-K** Flange mounting kit (1 required for each A-301-K or A-302-K)
- T-101** 1/4" OD black poly tubing, 1 coil, 250 ft (76 m)