

APPLICATIONS

Static or velocity pressure measurement for four stations, ducts, building pressure, filter efficiency, VAV boxes or room pressurization

EXCLUSIVE CXLdp FEATURES:

- **Rugged ABS package** capable of DIN rail or standard panel mounting
- **LED power status indicator** to assist in trouble shooting, correct wiring or quickly locating the instrument on a duct
- **Detachable Euro style terminal block** reduces wiring errors and field wiring time

- **20 standard pressure ranges** all capable of withstanding **15 psi** without damage or calibration change
- **Digitally compensated. NIST traceable** 0.4% F.S. and 0.8% F.S. accuracy models

The Ashcroft[®] CXLdp transmitter uses the patented Ashcroft Si-Glas™ variable capacitance sensor. This MEMS sensor provides extraordinary sensitivity and long term stability. New digital compensation is accomplished using a highly reliable application specific integrated circuit (ASIC).



PERFORMANCE SPECIFICATIONS

Accuracy Class (F.S.): ±0.8% ±0.4%

Accuracy includes the effects of linearity, hysteresis and repeatability

Stability – Max. Change

(F.S./year): ±0.25% ±0.25%

Standard Ranges (Inches W.C.)

Unidirectional Ranges:

Differential

0/0.1	0/1.0	0/5.0
0/0.25	0/2.0	0/10.0
0/0.5	0/2.5	0/15.0
0/0.75	0/3.0	0/25.0

Bidirectional Ranges:

Compound

±0.1		±5.0
±0.25	±1.0	±10.0
±0.5	±2.0	±15.0

Response Time: 250 msec

ENVIRONMENTAL SPECIFICATIONS

Temperature Limits:

Storage –40 to 180°F

Operating +0 to 160°F

Compensated Range +35 to 130°F (10-95% R.H. non-condensing)

Temperature Coefficients:

Zero & Span ±0.03%F.S./°F

EMC: CE Compliant to EN61326: 1997+A1: 1998+A2: 2001 Annex A (Heavy Industrial)

FUNCTIONAL SPECIFICATIONS

Overpressure Limits:

Proof Pressure 15 psi

Burst Pressure 25 psi

Mounting Position Effect: ±1% /g (lowest range)

Note: Calibration in vertical position is standard.

ELECTRICAL SPECIFICATIONS

Output Signal:

4-20mA (2 wire)

Power:

12-36 Vdc (unregulated)

Output signal is independent of power supply changes

Reverse Wiring Protected

Zero and Span Adjustment:

Externally accessible

Zero: ±5%F.S.

Span: ±5%F.S.

PHYSICAL SPECIFICATIONS

Pressure Connections:

¼" brass barbed fittings

½ NPT Female brass

Electrical Connection: Euro style pluggable terminal block accepts 12-26 gauge wire

Enclosure: NEMA Type 1 Fire-retardant ABS (meets UL 94-5VA)

LED visual indicator standard

Weight: Approx. 2.5 oz

Media: Clean, dry and non-corrosive gas

Mounting: Threaded fastener and 35mm DIN rail mount standard

Option: ½" plenum/conduit mounting bracket and cover kit (order part #101A213-01)

XRH: (9 point NIST Calibration Certification)

HOW TO ORDER THIS CXLdp TRANSDUCER/TRANSMITTER:

Select:

1. **Type Configuration (CXLdp)** C X
2. **Accuracy/TC**
 (8) 0.8%, ±0.03%/°F
 (4) 0.4%, ±0.03%/°F
3. **Pressure Connection**
 (MB2) ¼ Barbed Male
 (FO1) ½ NPT Female
4. **Output Signal**
 (42) 4-20mA
5. **Pressure Range**
 Diff. or Gauge: (P1IW) 0.10"W.C. (P25IW) 0.25"W.C. (P5IW) 0.50"W.C. (P75IW) 0.75"W.C. (1IW) 1.00"W.C. (2IW) 2.00"W.C. (2P5IW) 2.50"W.C. (3IW) 3.00"W.C. (5IW) 5.00"W.C. (10IW) 10.00"W.C. (15IW) 15.00"W.C. (25IW) 25.00"W.C.
 Compound: (P1WL) ±0.10"W.C. (P25IWL) ±0.25"W.C. (P5IWL) ±0.5"W.C. (1IWL) ±1.0"W.C. (2IWL) ±2.0"W.C. (5IWL) ±5.00"W.C. (10IWL) ±10.00"W.C. (15IWL) ±15.00"W.C.