

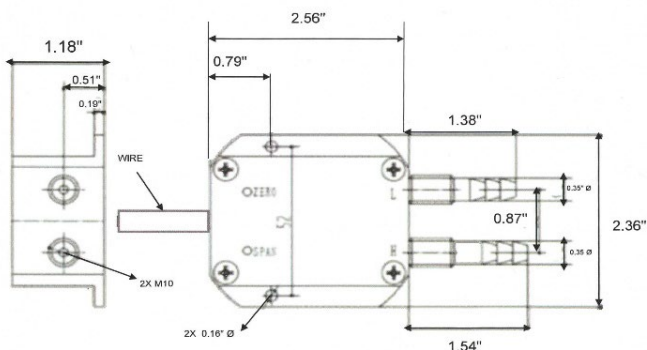


Model D600A Differential Pressure Transducer

- 0.5% BFSL Accuracy (Standard)
- Differential pressure ranges from 0-.01 BarD to 0-1 BarD
- Standard Pressure Outputs: 4-20 mADC, 0.5–4.5VDC, 1-5 VDC, 0-5 VDC
- M12x1.5 process connection standard – contact factory for other options
- Compact design for use in measuring air pressure in HVAC, compressed air and pneumatic systems
- MEMS Technology
- Most economical differential pressure transmitter available
- 5 VDC or 24 VDC power supply options



REFERENCE DIMENSIONS:



FEATURES:

Extremely sensitive to pressure changes

Piezoresistive Sensing Element

External zero & span controls

IP65 protection

Wiring leads standard electrical connection

MODEL D600A REV A

02/22/23



Model D600A Differential Pressure Transducer

Ordering Guide: D600A--C-(0-12"WCD)-D-5-EC1-24V

A	(0-50PSID)	D	5	EC1	24V
PRESSURE PORT	RANGE ¹	PRESSURE OUTPUT	ACCURACY (BFSL)	CONNECTOR	POWER SUPPLY
C = OTHER	PSID	D = 4-20 mA	5 = 0.5%	EC1 = 36" PIGTAIL	24V = 24 VDC
	BarD	E = 0-5 VDC			5V = 5 VDC
	WCD	X = OTHER			

¹ OTHER RANGES AVAILABLE, CONSULT FACTORY

TYPICAL APPLICATIONS

Oil & Gas Equipment	Fuel Systems
Pneumatics	Building Automation
Labs / Metrology	HVAC

Electrical Data

Excitation: 5VDC, 24 VDC
Current Consumption: < 10 mADC
Zero Offset: $\leq \pm 0.1\%$ of FS
Span Tolerance: $\leq \pm 1.0\%$ of FS
Output Load: >10K Ω
Reverse Polarity Protection: Yes

Physical Data

Sensor
Wetted Material: 316 SS
Housing: 316 SS
Connections
Pressure: M12X1.5

Environmental Data

Temperature

Operating: -20°C to 85°C
Storage: -40°C to 125°C

Thermal Limits

Compensated Range: 0°C to 50°C
Thermal Effect Zero: $\leq \pm 0.03\%$ FS
Thermal Effect Span: $\leq \pm 0.03\%$ FS

Performance @ 25 °C

Accuracy: < $\pm 0.5\%$ BFSL ²
Stability: (1 year): < $\pm 0.25\%$ FSO, Typical
Differential Pressure: 0-0.01Bar to 0-1 Bar
Burst Pressure 3.0X FS Minimum
Pressure Cycles: > 50 Million
Temperature Range: 0°C to +50°C
Temperature Accuracy: $\pm 1^\circ\text{C}$

² Accuracy includes non-linearity, hysteresis and non-repeatability