

Series 880

Two Wire: 4-20mA Pressure Transducer



Features & Applications

- Available in custom pressure ranges from 0/0.25"WC up to 0/15PSI
- Output stability of +/-0.5% FSO
- Perfect for a variety of applications such as duct static, VAV and fan control more
- Easy wiring via a pluggable screw terminal block
- Customizable pressure ranges and outputs
- Able to handle high overpressure
- Two-Wire; 4-20mA Output
- Reverse Voltage Protection

Specifications

| | |
|-------------------------------------|---|
| Accuracy*: | +/-1% FSO |
| Stability: | +/-0.5% FSO/yr |
| Thermal Effects: | +/-0.075%/°C |
| Overpressure: | 1-10"WC = 100"WC 11-20" WC = 10x rated pressure 21-30" WC = 5x rated pressure Over 30" WC = 45 PSI |
| FSO Pressure Range: | 0/0.25"WC through 0/15PSI (bi-directional ranges available) |
| Compensated Range: | 10° to 50°C |
| Media: | Non-corrosive, non-ionic gases |
| Operating Humidity: | 90% RH non-condensing |
| Operating Temp: | -25° to 70°C |
| Input Supply: | 14-36VDC loop voltage range (24VAC may be acceptable for certain applications) |
| Maximum Loop Resistance: | (Voltage Supply-14) x 50 Ω, maximum |
| Maximum Loop Resistance for >30VDC: | (Voltage Supply-30) x 40 Ω, minimum |
| Output Signal: | 4-20mA; 2-wire |
| Electrical Connections: | Pluggable two-wire screw terminal block |
| Pressure Connections: | Barbed fitting for 1/8" ID tubing |
| Enclosure: | Impact resistant ABS plastic |
| Dimensions: | Approx. 3.5" x 2.7" x 1.4" (8.7cm x 6.8cm x 3.5cm) |

* Includes non-linearity hysteresis and non-repeatability at a fixed temperature

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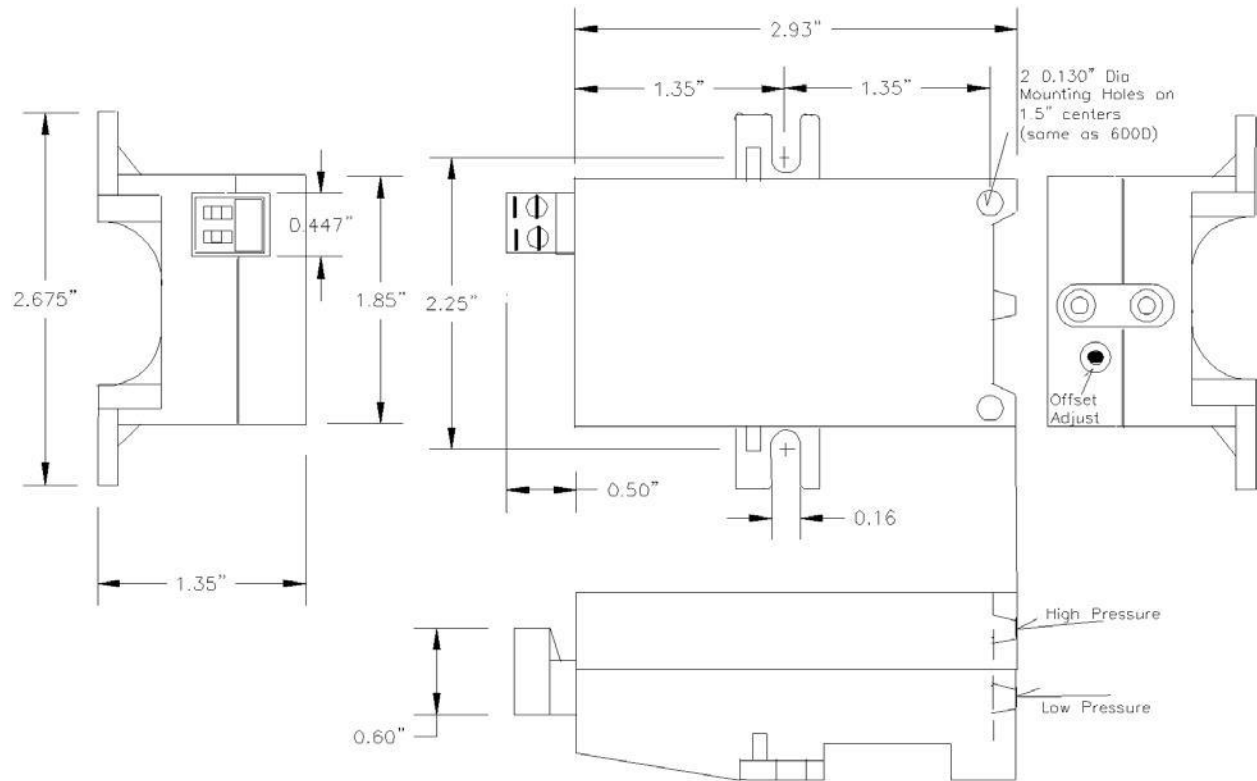


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Physical Dimensions



How to Order

A typical order number consists of the **model number**, **type**, **output signal**, **pressure range** and **calibration pressure**.

| <u>Model</u> | <u>Type</u> | <u>Output Signal</u> | <u>FSO Pressure Range</u> | <u>Calibration Pressure</u> |
|--------------|---------------------------|----------------------|--|-------------------------------|
| 880 | D = Differential or Gage* | 4-20mA; two-wire | 0.....0.25"WC to 5"WC 1.....>5"WC to 13" WC 2.....>0.5PSI to 1PSI 3.....>1PSI to 5PSI 4.....>5PSI to 15PSI | Customer designated exact FSO |

* With a gage application, one of the two ports is vented to atmosphere

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