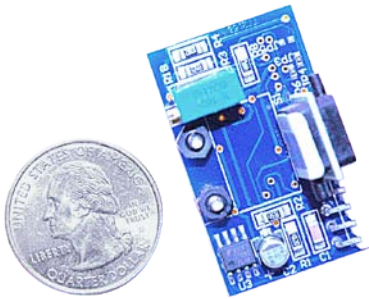


Series 855

Board-Mountable Pressure Transducer



Features & Applications

- Excellent long-term stability
- Fully compensated and signal conditioned
- Optional cable available for low-cost stand-alone applications (consult factory for options)
- Great for applications such as fume hoods, clean rooms, VAV, duct static and medical
- Virtually no position sensitivity
- Pressure range calibrated to customer's specific requirement
- Custom voltage outputs available
- Direct to board solder connection available for easy integration into OEM products

Specifications

| | |
|-------------------------|--|
| Accuracy*: | +/-1% FSO |
| Stability: | +/-0.5% FSO/yr |
| Thermal Effects: | +/-0.075% FSO/°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 up to 0/15PSI (bi-directional ranges available) |
| Compensated Range: | 10 to 50°C |
| Adjustments: | Offset, 60% of FSO minimum |
| Media: | Non-corrosive, non-ionic gases |
| Operating Humidity: | 90% RH non-condensing |
| Operating Temp: | -25° to 70°C |
| Input Supply: | 12-24 VDC |
| Supply Current: | <10mA |
| Load Resistance: | 2KΩ minimum |
| Output Signal: | 1-5VDC, 1-6VDC, 1-10VDC** (call for custom outputs) |
| Electrical Connections: | 0.025" square pins on 0.1" centers (5) – Board-Mountable*** |
| Pressure Connections: | Barbed fitting for 1/8" ID tubing |
| Dimensions: | Approx. 1.50" x 1.35" x 0.9" (3.81cm x 3.43cm x 2.29cm) |

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

** 18-24VDC input required for 1-10VDC output

*** Direct-to-board solder connection and optional cable available upon request

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