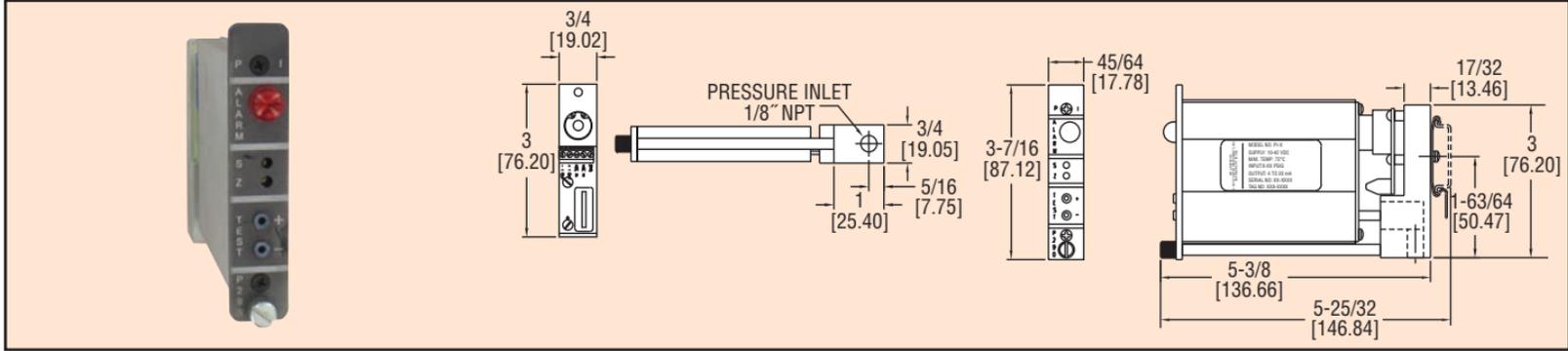


# Pressure To Current Transducer

Reliable, User-Oriented Performance



The Model PI Pressure To Current Transducer converts a pneumatic input pressure to an accurately proportional output current with uncompromising accuracy and durability. The PI serves in high-density and panel-mounted applications. The rugged PI transducer offers a high density DIN rail adapters and space saving with easy plug-in installation.

Model	Range
PI-1	3 to 15 psig (20 to 100 kPa)
PI-2	3 to 27 psig (20 to 180 kPa)

PI-C, Replacement DIN Rail Adapter

## SPECIFICATIONS

**Service:** Clean dry air filtered to 40 microns.  
**Input Signal:** 3 to 15 psig and 3 to 27 psig.  
**Input Capacitance:** 2-wire: 700 f, standard; Voltage: 5k f min.  
**Output:** 2-wire: 4 to 20 mA.  
**Linearity:** ±0.15% of span.  
**Hysteresis:** ±0.15% of span max.  
**Accuracy:** ±0.15% of span guaranteed; ±0.10% of span typical. Includes combined effects of linearity, hysteresis and repeatability errors.  
**Repeatability:** ±0.10% of span; ±0.03% of span typical.  
**Response Time:** 10 ms to 99% of step change.

**Power Requirements:** 10 to 42 VDC.  
**Temperature Stability:** Span and Zero: ±0.007% of span per °F max. deviation from 77°F calibration.  
**Temperature Limits:**  
 Operating: -40 to 167°F (-40 to 75°C);  
 Storage: -60 to 185°F (-50 to 85°C).  
**Calibration Adjustments:** Non-interactive, multi-turn span and zero potentiometers with approximately ±10% of span adjustment range.  
**Connections:**  
 Signal Air: 1/8" NPT female;  
 Electrical Wiring: Miniature terminal block accepts solid or stranded wire up to 14 AWG.  
**Weight:** 0.5 lb (0.2 kg).