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.

### 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 ƒ, standard; Voltage: 5k ƒ 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 m sec 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).

---

**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**