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).

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
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<tbody>
<tr>
<td>PI-1</td>
<td>3 to 15 psig (20 to 100 kPa)</td>
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<tr>
<td>PI-2</td>
<td>3 to 27 psig (20 to 180 kPa)</td>
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</tbody>
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PI-C, Replacement DIN Rail Adapter