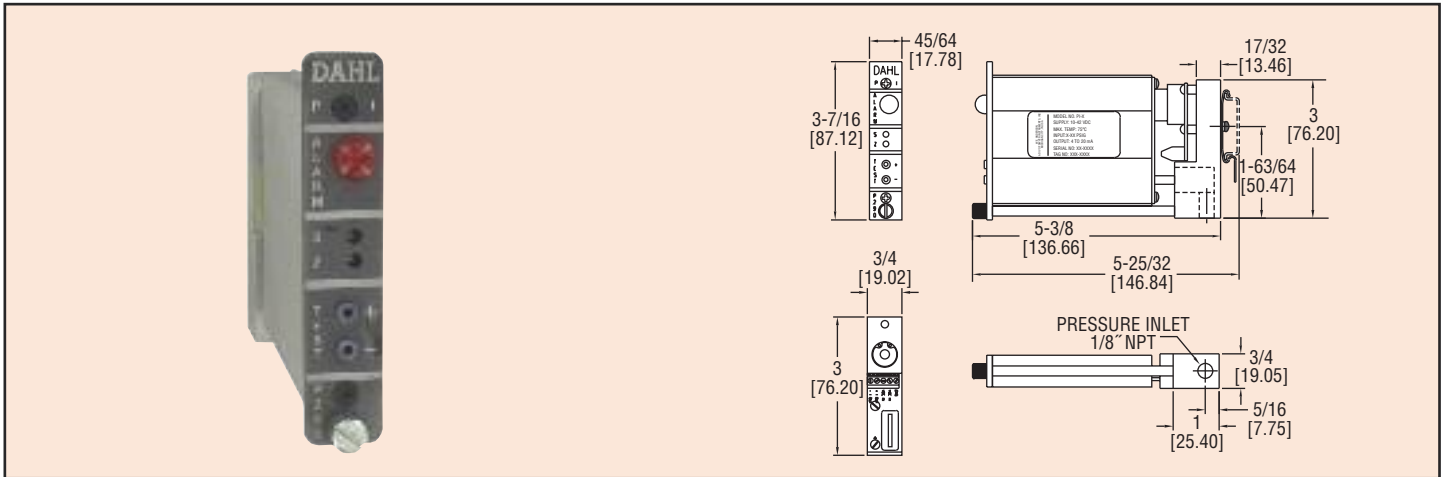




Model
PI

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.

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: $\pm 0.15\%$ of span.

Hysteresis: $\pm 0.15\%$ of span max.

Accuracy: $\pm 0.15\%$ of span guaranteed; $\pm 0.10\%$ of span typical. Includes combined effects of linearity, hysteresis and repeatability errors.

Repeatability: $\pm 0.10\%$ of span; $\pm 0.03\%$ of span typical.

Response Time: 10 m sec to 99% of step change.

Power Requirements: 10 to 42 VDC.

Temperature Stability: Span and Zero: $\pm 0.007\%$ 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 $\pm 10\%$ 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

VALVES

Pressure To Current
Transducer