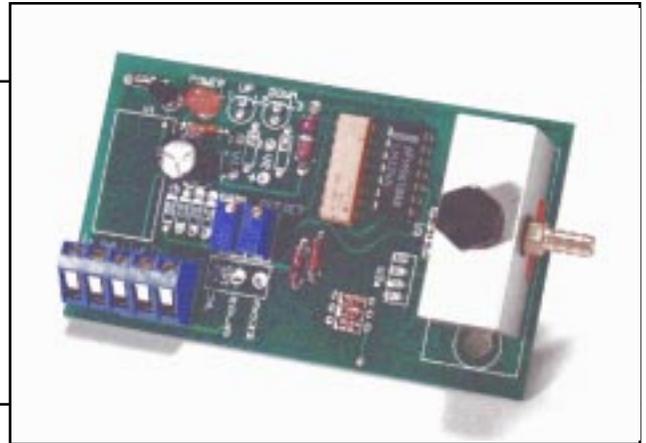


FEATURES

- 100% Solid State
- Linear 4-20 mA Output
- LED Power Indicator
- Brass Barbed Tubing Fitting
- Anodized Aluminum Manifold with Gauge Port
- Compact and Economical
- Mounts in Snap Track or ENC1 Enclosure

APPLICATIONS

- Building Automation
- Process Control
- Pneumatic System Monitoring



PRODUCT DESCRIPTION

The PTP accepts a 20 to 100 psig pressure input and converts it to a proportional analog 4 to 20 mA current signal. By adding supplied external resistors the PTP will output a proportional DC voltage. It is a positive current output device

that is fully temperature compensated. A plugged gauge port is provided in the aluminum manifold for local mechanical indication, if required. The PTP is designed to fit a 2.25" snap track and will accept standard 1/4" O.D. plastic tubing.

ORDERING INFORMATION

Specify: **PTP100** with _____ **ENC1 Enclosure?** _____ **DRC Kit?**

All factory calibrated products are NIST traceable. Certificates of Compliance must be ordered with products.

SPECIFICATIONS

Electrical Requirements

Power Supply

Supply Voltage

Regulated 24 VDC +/- 10% (22.6 to 26.4 volts)

Regulated 24 VAC +/- 10% (22.6 to 26.4 volts)

Supply Current

50 mA maximum @ 24 VDC

Output

Voltage Range

1 to 5 VDC (w/ 249 ohm resistor supplied)

2 to 10 VDC (w/ 499 ohm resistor supplied)

3 to 15 VDC (w/750 ohm resistor supplied)

Current Range

4 to 20 mA

Accuracy

1% full scale

Load Impedance

750 ohms maximum (current output)

Mechanical Requirements

Air Supply

Supply Pressure 110 psig maximum

Input

Pressure Range (factory set) 20 to 100 psig

Connections

Wire Size Up to one 14 gauge maximum

Terminal Type 45° Captive screw, moving clamp design in nickel plated copper alloy

Pneumatic Fitting Type Anodized aluminum manifold with brass barbed fitting for tubing connection. Supplied with plugged 1/8"-27 FNPT gauge port

Pneumatic Tubing Size/Type 1/4" O.D. nominal polyethylene

Dimensions

3.75" L x 2.25" W x 1.5" H

Weight

2.7 oz

Mounting

Furnished with a 3.75" length of DIN rail adaptable snaptrack. DRC Kit and

ENC1 optional

Environmental Requirements

Operating Temperature Range 32 to 120 deg F

Storage Temperature Range -20 to 150 deg F

Operating Humidity Range 10 to 95% non-condensing

Specifications may change without notice to improve product performance.

Call for Other Calibration Ranges and Versions