

Pressure Sensor with Proportional Analog Current or Voltage Output

FEATURES

- 100% Solid State
- Linear Output
- Senses Positive or Negative Pressure
- LED Power Indicator
- · Anodized Aluminum Manifold with Gauge Port
- · Jumper Selectable Output
- · Plug-in Terminal Strip Easy Accessibility
- · Optional snap track mounting offered for DIN rail or multiple PTP units

APPLICATIONS

- Building Automation
- Process Control
- · Pneumatic System Monitoring
- Pneumatic to Proportional Analog Output

PRODUCT DESCRIPTION

Three models of the PTP accept either a 3 to 15, 3 to 30, or 0 to minus 7.5 psig pneumatic pressure input and convert it to one of four proportional analog output ranges of 1-5, 2-10, 3-15 VDC or 4-20 mA which are jumper shunt selectable. PTP 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" (provided) or 3.25" snap track and will accept standard 1/4" O.D. plastic tubing.

ORDERING INFORMATION

Specify:

PTP ______ with _____ ENC1 Enclosure? _____ 3/15, 3/30, 0/-7.5 or Custom

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

SPECIFICATIONS

Electrical Requirements

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Regulated 24 VDC or 24 VAC, -6%/+10%
50 mA maximum @ 24 VDC
1 to 5 VDC @ 250 ohms minimum
2 to 10 VDC @ 500 ohms minimum
3 to 15 VDC @ 750 ohms minimum
4 to 20 mA @ 500 ohms maximum
2% full scale at room temperature
3% full scale across operating temperature range



Mechanical Requirements

Input	
Pressure Range (factory set)	3 to 15 psig (PTP 3/15)
	3 to 30 psig (PTP 3/30)
	0 to minus 7.5 psig (PTP 0/-7.5)
Connections	
Wire Size	Up to one 14 gauge maximum
Terminal Type	Plug-in terminal strip, plugs on four (4) square 5 mm pins, captive screw with cage clamp in tin plated brass.
Pneumatic Fitting Type	Aluminum silver anodized 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	3.25" L x 2.185" W x 1.5" H
Weight	3 oz
Mounting	Furnished with a 3.25" length of 2.25" snap track (HWST003)
	Additional Mounting Options:
	Optional DIN Rail Mounting: Order DRC kit and DIN Rail compliant HWST031 snap track - specify when ordering.
	Optional: Two (2) 24" sections of 3.25" snap track for multiple PTP mounting - specify HWST001 when ordering.
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

If you have a different application or need, please call 1-800-886-2281 and discuss your needs with our Sales Engineers.