



PTP

Pressure to Analog / Current Output

Two models of the PTP accept either a 3 to 15 or 3 to 30 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. A plugged gauge port is provided in the aluminum manifold for local mechanical indication via an optional 0 to 30 psi gauge. Custom calibration is available upon request for an additional charge. This will speed up installation time for the end user.

Applications: Building Automation, Process Control, Pneumatic System Monitoring, Pneumatic to Proportional Analog Output

The PTP is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, www.workaci.com.

PRODUCT SPECIFICATIONS

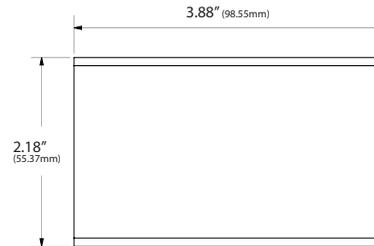
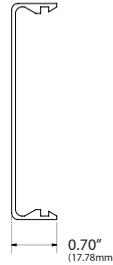
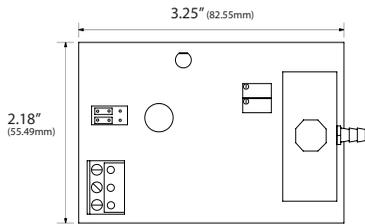
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|--|--|
| Supply Voltage: | 24 VDC or 24 VAC, -6%/+10% |
| Supply Current: | 50 mA maximum @ 24 VDC |
| Output Signal Range (@ Impedance): | 1-5 VDC @ 250Ω 2-10 VDC @ 500Ω 3-15 VDC @ 750Ω 4-20 mA @ 500Ω |
| Input Pressure Range: | PTP 3-15: 3 to 15 psig PTP 3-30: 3 to 30 psig |
| Output Analog Accuracy: | 2% full scale at room temperature 3% full scale across operating temperature range |
| Filtering: | Furnished with integral-in-barb 80-100 micron filter (Part # PN004) |
| Connections: | 90° Pluggable Screw Terminal Blocks |
| Wire Size: | 16 (1.31 mm ²) to 26 AWG (0.129 mm ²) |
| Terminal Block Torque Rating: | 0.5 Nm (Minimum); 0.6 Nm (Maximum) |
| Connections Pneumatic Tubing Size-Type: | 1/4" O.D. nominal (1/8" I.D.) polyethylene |
| Pneumatic Fitting: | Removeable brass barbed fitting in machined aluminum manifold Plugged 1/8-27-FNPT gauge port Gauge installed at additional cost |
| Gauge Pressure Range (Gauge Models): | 0-30 psig (0-200 kPa) |
| Gauge Pressure Accuracy (Gauge Models): | ± 2.5% Midscale (± 3.5% Full Scale) |
| Operating Temperature Range: | 35 to 120°F (1.7 to 48.9°C) |
| Operating Humidity Range: | 10 to 95% non-condensing |
| Storage Temperature: | -20 to 150°F (-28.9 to 65.5°C) |
| Snaptrack Material: | Polyvinyl Chloride (PVC) |
| Snaptrack Flammability Rating: | UL94 V-0 |
| Product Dimensions: | No Gauge: (L) 3.25" (W) 2.18" (H) 1.87" (82.55 x 55.37 x 47.49 mm) With Gauge: (L) 3.25" (W) 2.18" (H) 2.95" (82.55 x 55.37 x 74.93 mm) |
| Product Weight: | No Gauge: 0.28 lbs. (0.1276 Kg) With Gauge: 0.37 lbs. (0.170 Kg) |
| Agency Approvals: | RoHS2, WEEE |





DIMENSIONAL DRAWING

PTP

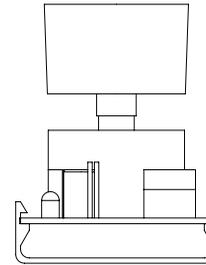
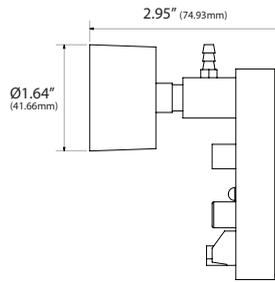
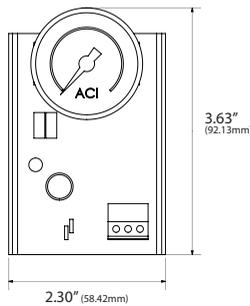


Board Only

Snap Track

Snap Track

PTP With Gauge



Board with Snap Track

Board with Snap Track

Board with Snap Track

STANDARD ORDERING

Model # Example: **PTP3-15** -OR- **127201**

| Model # | Item # | Input Range | Gauge |
|-----------------|--------|----------------------------------|-------|
| PTP3-15 | 127201 | 3 to 15PSI (20.68 to 103.42 kPa) | |
| PTP3-15G | 127202 | 3 to 15PSI (20.68 to 103.42 kPa) | • |
| PTP3-30 | 127203 | 3 to 30PSI (20.68 to 206.843kPa) | |
| PTP3-30G | 127204 | 3 to 30PSI (20.68 to 206.843kPa) | • |

ACCESSORIES

Model # Example: **A/DO008** -OR- **142583**

| Model # | Item # | Description |
|--------------------------|--------|--|
| A/DO008 | 142583 | Transient Voltage Suppressor, Bi-directional, 56 VAC/DC, 1500W |
| A/DRC 3.88 X 2.18 | 142623 | DIN Rail Adapter Kit |
| A/PN004 | 110831 | 80-100 Micron Filter Media in Barb Fitting |
| A/PN028 | 128307 | Replacement Gauge |
| ENC1 | 102472 | 20 Gauge Metal Enclosure, Designed to Hold Interfaces Products |