



## Product Data

# PTP

Pressure Sensor with Proportional Analog Current or Voltage 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, 3-15VDC or 4-20mA which are jumper shunt selectable. The PTP is a positive current output device that is fully temperature compensated. If required, a plugged gauge port is provided in the aluminum manifold for local mechanical indication. 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.

The PTP is covered by ACI's Two (2) Year Limited Warranty, which is located in the front of ACI'S SENSORS & TRANSMITTERS CATALOG or can be found on ACI's Website, which is: [www.workaci.com](http://www.workaci.com).

Specify: PTP            
           ↑          ↑  
           G - with 0-30 psi (206.85 kPa) gauge  
           3-15 (3 to 15 psig)  
           3-30 (3 to 30 psig)  
           0 TO -7.5 (0 to -7.5 psig)

ENC1 (Optional Enclosure)  
 DRC KIT (Optional Din Rail Mounting Kit)

## Product Specifications

Supply Voltage	Regulated 24VDC or 24VAC, -6%/+10%
Supply Current	50 mA maximum @ 24VDC
Output Voltage Range	1 to 5VDC @ 250 ohms minimum 2 to 10VDC @ 500 ohms minimum 3 to 15VDC @ 750 ohms minimum
Output Current Range	4 to 20mA @ 500 ohms maximum
Accuracy	2% full scale at room temperature 3% full scale across operating temp range
Pressure Range (factory set)	3 to 15psig (PTP 3-15), 3 to 30psig (PTP 3-30) 0 to minus 7.5psig (PTP 0 TO-7.5)
Operating Temp/RH	32 to 120° F (0 to 48.9° C) / 10 to 95% non condensing
Approvals	RoHS



Wiring Diagrams available at [www.workaci.com](http://www.workaci.com)

## Interface Devices



### Attributes:

- 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
- Snap track included

### Applications:

- Building Automation
- Process Control
- Pneumatic System Monitoring
- Pneumatic to proportional analog output



Made in the USA

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TEMPERATURE

RELATIVE HUMIDITY

PRESSURE

CURRENT

GAS SENSORS

ACCESSORIES

INTERFACE DEVICES