



Product Data

PTP100

0 to 100 PSIG Pressure Sensor
with Proportional Analog Current
or Voltage Output

Product Description

The PTP100 accepts a 0 to 100 psig pneumatic pressure input and converts 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. Its output has 60 second short circuit protection. The PTP100 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 PTP100 is designed to fit a 2.25" (provided) or 3.25" snap track and will accept standard 1/4" O.D. plastic tubing.

The PTP100 is covered by ACI's Two (2) Year Limited Warranty, which is located in the front of ACT'S SENSORS & TRANSMITTERS CATALOG or can be found on ACI's Website, which is: www.workaci.com.

Specify: **PTP100**

ENC1 (Optional Enclosure)

DRC KIT (Optional Din Rail Mounting Kit)

Product Specifications

Supply Voltage	Regulated 24VDC or 24VAC(+/-10%)
Supply Current	50mA maximum @ 24VDC
Output Voltage Range	1 to 5VDC @ 250 ohms minimum. 2 to 10VDC @ 500 ohms minimum. 3 to 15VDC @ 750 ohms minimum.
Current Range	4 to 20mA @ 500 ohms maximum (factory calibration).
Short Circuit Protection Duration:	60 seconds
Accuracy	1% full scale at room temp. 2% full scale across operating temp range
Input Pressure Range (factory set)	0 to 100 psig (110 psig max overpressure)
Operating Temp/RH	32 to 120° F (0 to 48.9° C) / 10 to 95% non condensing

Interface Devices



Attributes:

- 100% solid state
- Linear output
- Senses 0 to 100 psig air 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