

MINIATURE VOLTAGE OUTPUT PRESSURE SENSORS FULLY TEMPERATURE COMPENSATED

PX40 Series
0.5 to 4 Vdc Output

All Ranges
\$60



PX40-15G5V,
\$60, shown
much larger
than actual
size.



- ✓ Smallest Amplified Package
- ✓ Small Lightweight Package
- ✓ Fully Signal Conditioned
- ✓ Temperature Compensated
- ✓ Port Designed for O-Ring Interface
- ✓ Excellent Media Compatibility
- ✓ Wet or Dry Industrial Applications

Typical Applications

- ✓ Laboratory Equipment
- ✓ Electronic Brake Systems
- ✓ Engine Oil Level
- ✓ Transmission Fluid Level
- ✓ Air Conditioning Systems
- ✓ Industrial Fluid Level

SPECIFICATIONS

Excitation: 5 Vdc @ 10 mA

Output Source Current: 0.5 mA max

Output Sink Current: 1.0 mA max

Hysteresis and Repeatability: 0.15% FS

Span: Output: Linearity:

±50 mmHg 4.00 Vdc typical 0.80%

0 to 15 4.00 ±0.11 Vdc 0.20%

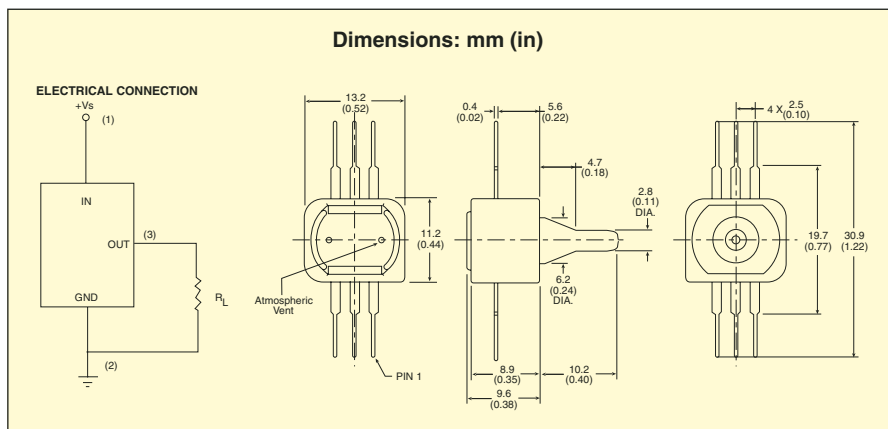
0 to 100 4.00 ±0.09 Vdc 0.10%

Null:

±50 mmHg 2.50 ±0.05 Vdc

0 to 15 0.50 ±0.11 Vdc

0 to 100 0.50 ±0.04 Vdc



Operating Temp:
-45 to 125°C (-49 to 257°F)

Compensated Temp:
-45 to 125°C (-49 to 257°F)

Overpressure:
±50 mmHg ±170 mmHg
0 to 15 45 psi
0 to 100 200 psi

Response Time: 1 ms

Gage Type: Silicon

Media Compatibility: Limited to media that will not attack invar, copper, silicon, stainless steel, glass and solder (i.e., air, water, refrigerants, engine fuel)

Vent: Dry gases only

Weight: 5 g (0.18 oz)

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

GAGE MODELS (One Port)

RANGE	MODEL NO.	PRICE	COMPATIBLE METERS
±50 mmHg 6.7 kPa	PX40-50BHG5V	\$60	DP24-E, DP25B-E, DP41-E
0 to 15 psi 0 to 1 bar	PX40-15G5V	60	DP24-E, DP25B-E, DP41-E
0 to 30 psi 0 to 2.1 bar	PX40-030G5V	60	DP24-E, DP25B-E, DP41-E
0 to 100 psi 0 to 6.9 bar	PX40-100G5V	60	DP24-E, DP25B-E, DP41-E

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ES-2272	\$190	Reference Book: Handbook of Heating, Ventilation, and Air Conditioning

Ordering Example: PX40-15G5V, 0 to 15 psi transducer with 0.5 to 4.5 Vdc output, \$60.

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters