

FLUSH DIAPHRAGM MILLIVOLT OUTPUT PRESSURE TRANSDUCER

PX102 Series
0-6 to 0-3000 psi
0-0.4 to 0-207 bar

See Section Y for a Selection of Scientific, Technical, and Reference Books Available from omega.com

Starts at
\$520



Shown larger than actual size.

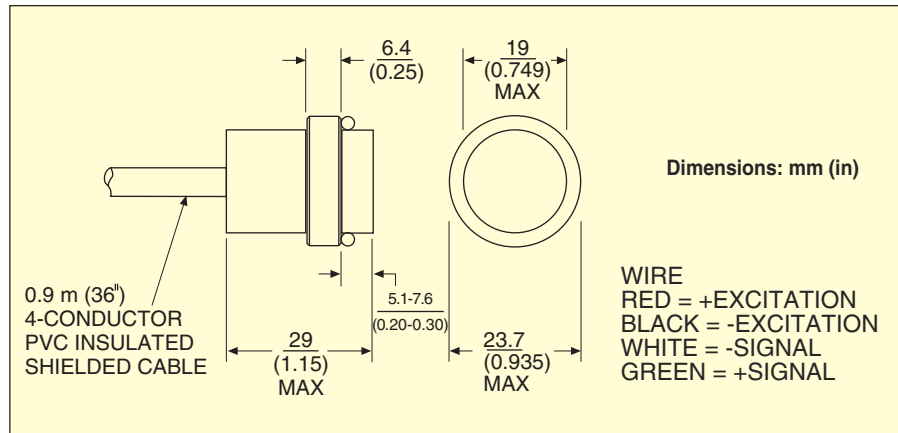


PX102-050GV, \$525, shown actual size.

See page B-48 for flush mount adaptors.

SPECIFICATIONS

Excitation: 5 Vdc 35 mA (6 Vdc max)
Output: 0 to 100 mV $\pm 1\%$
Input Impedance: $150 \pm 50 \Omega$
Output Impedance: $115 \pm 25 \Omega$
Insulation Resistance: 20 M Ω at 50 Vdc
Accuracy: 100 to 5000 psi = 0.25% BFSL, all other ranges = 0.5% BFSL
Zero Balance: ± 5 mV
Operating Temperature Range: -51 to 93°C (-60 to 200°F)
Compensated Temperature Range: -1 to 71°C (30 to 160°F)
Thermal Zero Effect: $\pm 0.1\%$ rdg/°C ($\pm 0.05\%$ rdg/°F)
Thermal Sensitivity Effect: $\pm 0.02\%$ /°C ($\pm 0.01\%$ rdg/°F)
Proof Pressure: 2x full scale
Burst Pressure: 5x full scale minimum
Fatigue: >160 million cycles
Gages: Semiconductors on bending beam
Body/Diaphragm Material:
 316 L SS: ≤ 50 psi
 15-5 PH SS: > 50 psi
Pressure Port: Flush
Electrical Connection: 0.9 m (36"); shielded PVC cable, 4 leads
Weight: 57 g (2 oz)



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

RANGE	MODEL NO.	PRICE	COMPATIBLE METERS*
0 to 6 psig	PX102-006GV	\$525	DP25B-S, DP41-S
0 to 25 psig	PX102-025GV	525	DP25B-S, DP41-S
0 to 50 psig	PX102-050GV	525	DP25B-S, DP41-S
0 to 100 psis	PX102-100SV	520	DP25B-S, DP41-S
0 to 200 psis	PX102-200SV	520	DP25B-S, DP41-S
0 to 500 psis	PX102-500SV	520	DP25B-S, DP41-S
0 to 1000 psis	PX102-1KSV	520	DP25B-S, DP41-S
0 to 3000 psis	PX102-3KSV	520	DP25B-S, DP41-S

Comes complete with operator's manual.

* See section D for compatible meters.

Ordering Example: PX102-006GV, 0 to 6 psig pressure transducer, \$525. AD-1SS, adaptor to mount in a 1/4 NPT fitting, \$125.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
AD-1SS	\$125	1/4 MNPT adaptor

Units 100 psi and above have cases sealed from the surrounding atmosphere, providing maximum reliability in humid or corrosive environment (psis). Ranges below 100 psi are vented to the atmosphere and read gage pressure (psig).



UNITED STATES

www.omega.com
1-800-TC-OMEGA
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CANADA

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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

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• 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