

AMPLIFIED FLUSH DIAPHRAGM TRANSDUCER

1/2-20 UNF THREAD



PX101 Series
0.5 to 10.5 Vdc Output
0-500 to 0-6000 psi
0-35 to 0-400 bar

1 bar = 14.5 psi
 1 kg/cm² = 14.22 psi
 1 atmosphere = 14.7 psi = 29.93 inHg = 760.2 mmHg = 1.014 bar

All Ranges
\$455



- ✓ All Stainless Steel
- ✓ Amplified Voltage Output
- ✓ Small Flush Diaphragm for Hard-to-Measure Fluids
- ✓ Ideal for Tank and Industrial Applications

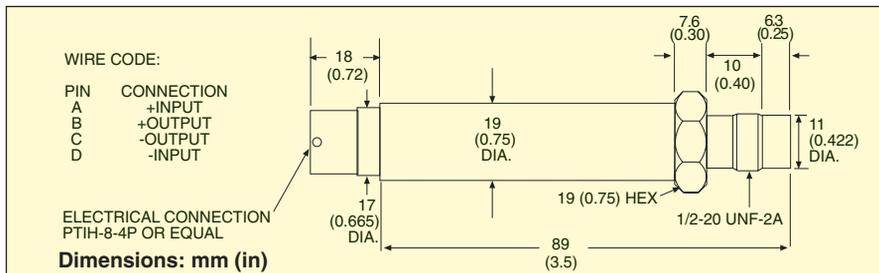
OMEGA's PX101 Series voltage output transducers feature a rugged all stainless steel case and a high-reliability 10 V amplified output. They are designed for use in critical applications in wastewater management, chemical manufacturing, water processing, and industrial applications where a non-plugging flush diaphragm is needed.

SPECIFICATIONS

Excitation: 24 to 32 Vdc
Output: 0.5 to 10.5 Vdc
Zero Balance: 0.5 V ±0.1 V
Accuracy: ±0.5% linearity, hysteresis and repeatability combined
Sensing Element: 4-active-arm bridge with hermetically sealed thick film strain gages
Operating Temperature Range: -54 to 93°C (-65 to 200°F)
Compensated Temperature Range: 16 to 71°C (60 to 160°F)
Thermal Effects:
 Span: 0.01% rdg/°F
 Zero: 0.01% FS/°F
Ranges (psi): 500, 1K, 2K, 3K, 5K, 6K; gage, sealed gage or absolute; metric ranges also available

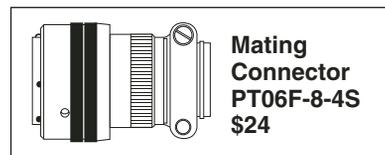


PX101V1-500G10V, \$455, shown smaller than actual size.



Proof Pressure: 150% of rated capacity
Burst Pressure: 300% of rated capacity
Wetted Parts: 17-4 PH stainless steel
Pressure Port: Flush diaphragm
Electrical Connection: PTIH-8-4P (or equal)
Optional: 3 m (10') 4-conductor shielded cable—specify model: PX101V0 (same price)

Mating Connector: PT06F-8-4S (not included)



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

RANGE	MODEL NO.	PRICE	COMPATIBLE METERS*
ABSOLUTE PRESSURE (All Ranges Available in Absolute Pressure)			
0 to 500 psi	0 to 34.5 bar	PX101V1-500A10V	\$455 DP41-E, DP25B-E, DP24-E
0 to 1000 psi	0 to 68.9 bar	PX101V1-1KA10V	455 DP41-E, DP25B-E, DP24-E
0 to 2000 psi	0 to 138 bar	PX101V1-2KA10V	455 DP41-E, DP25B-E, DP24-E
0 to 3000 psi	0 to 207 bar	PX101V1-3KA10V	455 DP41-E, DP25B-E, DP24-E
0 to 5000 psi	0 to 345 bar	PX101V1-5KA10V	455 DP41-E, DP25B-E, DP24-E
0 to 6000 psi	0 to 414 bar	PX101V1-6KA10V	455 DP41-E, DP25B-E, DP24-E
GAGE PRESSURE (All Ranges Also Available in Sealed Gage Pressure)			
0 to 500 psi	0 to 34.5 bar	PX101V1-500G10V	\$455 DP41-E, DP25B-E, DP24-E
0 to 1000 psi	0 to 68.9 bar	PX101V1-1KG10V	455 DP41-E, DP25B-E, DP24-E
0 to 2000 psi	0 to 138 bar	PX101V1-2KG10V	455 DP41-E, DP25B-E, DP24-E
0 to 3000 psi	0 to 207 bar	PX101V1-3KG10V	455 DP41-E, DP25B-E, DP24-E
0 to 5000 psi	0 to 345 bar	PX101V1-5KG10V	455 DP41-E, DP25B-E, DP24-E
0 to 6000 psi	0 to 414 bar	PX101V1-6KG10V	455 DP41-E, DP25B-E, DP24-E

Comes with 5-point calibration.

* See section D for compatible meters.

Metric ranges available – consult Engineering.

To order sealed gage pressure transducers, replace "G" in model number with "S" (no extra charge).

Ordering Examples: PX101V1-500G10V, 500 psi gage pressure transducer, \$455.
 PX101V1-500A10V, 500 psi absolute pressure transducer, \$455.
 PX101V1-2KS10V, 2000 psi sealed gage pressure transducer, \$455.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
PE-1022	\$79	Reference Book: Process Control Systems

VOLTAGE OUTPUT
 PRESSURE TRANSDUCERS
B

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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

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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

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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