

ECONOMICAL GENERAL SERVICE TRANSDUCER

Ranges 0-150 to 0-10,000 psi
20 mV Output

PX4100 Series



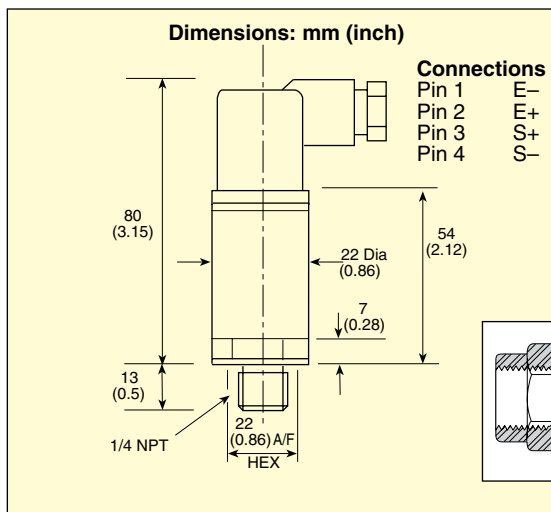
- ✓ Latest Strain Gage Technology
- ✓ Stainless Steel Body
- ✓ IP65 Sealed Case
- ✓ Excellent Stability and Accuracy
- ✓ DIN Connector Included

OMEGA's PX4100 Series transducers have been designed for general purpose applications where the reliability of all stainless steel is required. Using the latest strain gage technology provides a rugged, compact transducer with excellent stability and accuracy.

SPECIFICATIONS

Excitation: 10 Vdc @ 10 mA (15 Vdc max) reverse polarity protected
Output: 20 mV ($\pm 1\%$) ratiometric
Accuracy: $\pm 0.25\%$ FS includes linearity, and hysteresis
Repeatability: $\pm 0.1\%$ FS
Zero Offset: $\pm 1\%$ FS
Long Term Stability: $\pm 0.2\%$ FS/6 mo.
Compensated/Operating Temperature: -20 to 80°C (-4 to 176°F)
Storage Temperature: -40 to 90°C (-40 to 194°F)
Thermal Zero Effect: $< \pm 0.08\%$ FS/°C
Thermal Span Effect: $< \pm 0.04\%$ FS/°C
Maximum Overpressure: 200% FS
Vibration: 10 g to 50 Hz
Shock: 15 g @ (11 ms)
Humidity: 95% RH (non-Cond)
Wetted Parts: 17-4 SS, 300 Series SS and for ranges ≤ 150 psi Alumina with nitrile seal
Case: IP65 Sealed, 300 Series Stainless Steel
Pressure Port: 1/4 NPT male
Electrical Connection: Socket to DIN 43650 and Micro-DIN plug (included)
Response Time: 10 ms
Weight: 75 g (2.6 oz)

Series PX4100 shown smaller than actual size.



To Order Visit omega.com/px4100 for Pricing and Details

RANGE (psi)	MODEL NO.	COMPATIBLE METERS*
0 to 150	PX4100-150GV	DP25-S, DP2000-S, DP41-S
0 to 300	PX4100-300GV	DP25-S, DP2000-S, DP41-S
0 to 600	PX4100-600GV	DP25-S, DP2000-S, DP41-S
0 to 1000	PX4100-1KGV	DP25-S, DP2000-S, DP41-S
0 to 1500	PX4100-1.5KGV	DP25-S, DP2000-S, DP41-S
0 to 3000	PX4100-3KGV	DP25-S, DP2000-S, DP41-S
0 to 6000	PX4100-6KGV	DP25-S, DP2000-S, DP41-S
0 to 10,000	PX4100-10KGV	DP25-S, DP2000-S, DP41-S

* Visit omega.com for compatible meters.

Comes complete with DIN plug.

Ordering Examples: 1.) PX4100-150GV is a 150 psi gage transducer with a 20 mV output.
2.) PX4100-3KGV is a 3000 psi gage transducer with a 20 mV output.