

# ECONOMICAL GENERAL SERVICE TRANSDUCER

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

## PX4100 Series



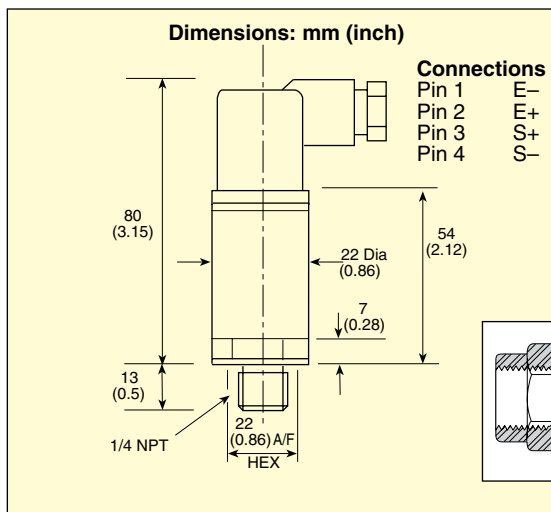
- ✓ Latest Strain Gage Technology
- ✓ Stainless Steel Body
- ✓ IP65 Sealed Case
- ✓ Excellent Stability and Accuracy
- ✓ DIN Connector Included

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  $\leq 150$  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](http://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](http://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.

# omega.co.uk<sup>®</sup>

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

[www.omega.co.uk](http://www.omega.co.uk)



#### UNITED STATES

[www.omega.com](http://www.omega.com)

1-800-TC-OMEGA  
Stamford, CT.

#### UNITED KINGDOM

[www.omega.co.uk](http://www.omega.co.uk)

Manchester, England  
0800-488-488  
+44-(0)161-777-6611

#### CANADA

[www.omega.ca](http://www.omega.ca)

Laval(Quebec)  
1-800-TC-OMEGA

#### FRANCE

[www.omega.fr](http://www.omega.fr)

0800-466-342

#### GERMANY

[www.omega.de](http://www.omega.de)

Deckenfronn, Germany  
0800-8266342

#### BENELUX

[www.omega.nl](http://www.omega.nl)

0800-099-33-44



## More than 100,000 Products Available!

### • Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

### • 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

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

### • 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