

# HEAVY-DUTY FLUSH DIAPHRAGM TRANSMITTER

## 1/2 NPT THREAD

**4 to 20 mA Output**

**0-50 to 0-750 psi**

**0-3 to 0-50 bar**

1 bar = 14.5 psi

1 kg/cm<sup>2</sup> = 14.22 psi

1 atmosphere = 14.7 psi = 29.93

inHg = 760.2 mmHg = 1.014 bar

PX43E0-100GI,  
shown actual size.

## PX43 Series



- ✓ **Stainless Steel Construction**
- ✓ **Processing or Industrial Applications**
- ✓ **Rugged Flush Diaphragm for Measurement of Difficult Fluids**
- ✓ **3 m (10') Cable with Conduit Connection for Installation in Harsh Environments**
- ✓ **Heavy-Duty 1/2 NPT Fitting**
- ✓ **4 to 20 mA Output for Noise-Free Transmission**

OMEGA's PX43 is a high-accuracy, current output, industrial pressure transmitter with a heavy-duty flush diaphragm. It is designed for use with food and industrial fluids and slurries that are difficult to measure because of sticking or plugging of orifices. Its hermetically sealed, all stainless steel construction make it suitable for the harshest industrial environments. Ten feet of 2-conductor shielded cable is standard with a second 1/2 NPT fitting on the body for conduit installation. Pressure ranges from 0 to 50 up to 0 to 750 psi are available to cover most processing and industrial applications.

### SPECIFICATIONS

**Excitation:** 10 to 40 Vdc

**Output:** 4 to 20 mA ±10% adj

**Zero Balance:** 4 mA +10% -2% adj

**Accuracy:** 0.5% linearity, hysteresis and repeatability combined

**Operating Temp Range:**

-46 to 121°C (-50 to 250°F)

**Compensated Temp Range:**

16 to 71°C (60 to 160°F)

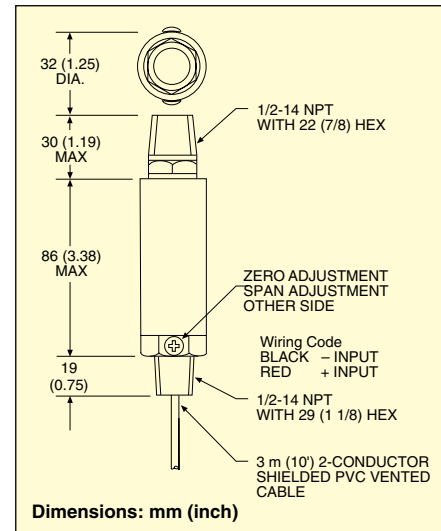
**Thermal Effects:**

**Span:** ±0.003% of rdg/°F

**Zero:** ±0.0045% of FSO/°F

**Proof Pressure:** 150% of range

**Burst Pressure:** 300% of range



**Wetted Parts:** 17-4 PH stainless steel with 316 stainless steel diaphragm

**Pressure Port:** 1/2-14 NPT male

**Electrical Connection:**

3 m (10') 2-conductor shielded vented cable with 1/2-14 NPT fitting

**To Order Visit [omega.com/px43-i](http://omega.com/px43-i) for Pricing and Details**

RANGE		MODEL NO.	COMPATIBLE METERS*
0 to 50 psig	0 to 3.4 bar	<b>PX43E0-050GI</b>	DP41-E, DP25B-E, DP24-E
0 to 60 psig	0 to 4.1 bar	<b>PX43E0-060GI</b>	DP41-E, DP25B-E, DP24-E
0 to 100 psig	0 to 6.9 bar	<b>PX43E0-100GI</b>	DP41-E, DP25B-E, DP24-E
0 to 200 psig	0 to 13.8 bar	<b>PX43E0-200GI</b>	DP41-E, DP25B-E, DP24-E
0 to 300 psig	0 to 20.7 bar	<b>PX43E0-300GI</b>	DP41-E, DP25B-E, DP24-E
0 to 500 psig	0 to 34.5 bar	<b>PX43E0-500GI</b>	DP41-E, DP25B-E, DP24-E
0 to 750 psig	0 to 51.7 bar	<b>PX43E0-750GI</b>	DP41-E, DP25B-E, DP24-E

Comes complete with 5-point NIST traceable calibration.

Metric ranges available – consult Engineering.

\* See [omega.com](http://omega.com) for compatible meters.

**Ordering Examples:** **PX43E0-100GI**, 100 psi gage model with stainless steel wetted parts, 3 m (10') cable, 4 to 20 mA output. **PX43E0-050GI**, 50 psi gage model with stainless steel wetted parts, 3 m (10') cable, 4 to 20 mA output.



CURRENT OUTPUT  
PRESSURE TRANSDUCERS

**B**