

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/cm² = 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)

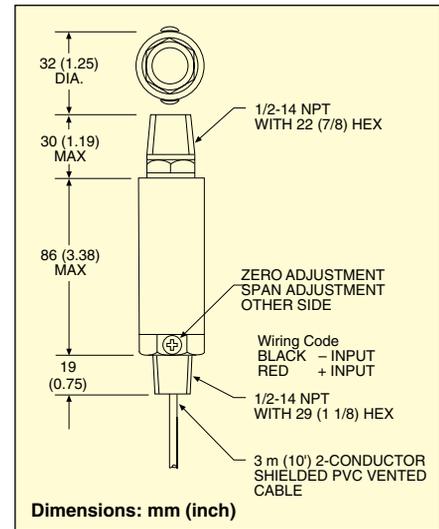
Thermal Effects:

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 for Pricing and Details

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

Comes complete with 5-point NIST traceable calibration.

Metric ranges available – consult Engineering.

* See 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.



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B

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