

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

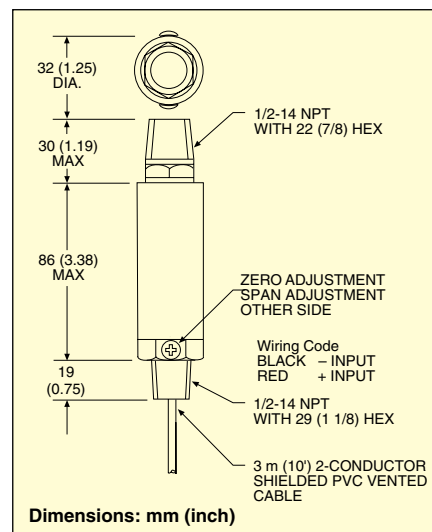


- ✓ **Stainless Steel Construction**
- ✓ **Processing or Industrial Applications**
- ✓ **Rugged Flush Diaphragm for Measurement of Difficult Fluids**
- ✓ **3 m (10') Cable with Conduit Connection for Installation in Harsh Environments**
- ✓ **Heavy-Duty 1/2 NPT Fitting**
- ✓ **4 to 20 mA Output for Noise-Free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



CURRENT OUTPUT
 PRESSURE TRANSDUCERS

B

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