

HIGH-PRESSURE FLUSH DIAPHRAGM TRANSMITTER

STANDARD OR METRIC MODELS

4 to 20 mA Output
0-500 to 0-5000 psi-Standard Models
0-40 to 0-350 bar-Metric Models

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

PX44E0-1KGI,
shown actual size.

PX44/PXM44 Series

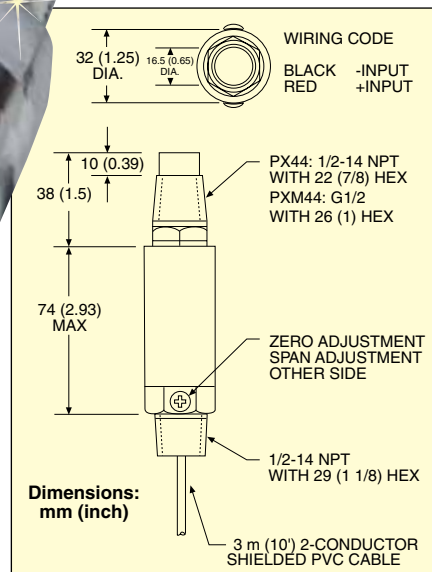
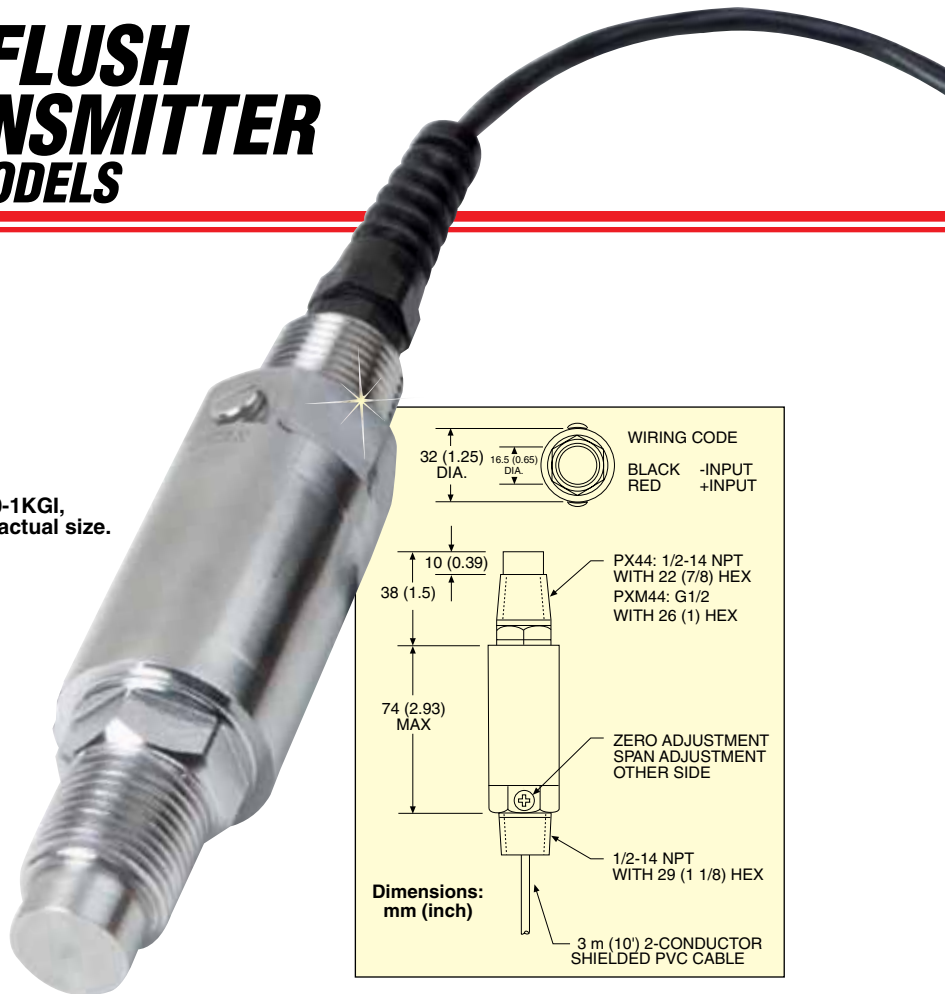


- ✓ Stainless Steel Construction
- ✓ For Food Processing or Industrial Applications
- ✓ 3 m (10') Cable with Conduit Connection for Installation in Harsh Environments
- ✓ 4 to 20 mA Output for Noise-Free Transmission

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 with 316 stainless steel diaphragm
Pressure Port: See dimensional drawing
Electrical Connection: 3 m (10') 2-conductor shielded cable with 1/2-14 NPT fitting



To Order Visit omega.com/px44-i for Pricing and Details			
RANGE		MODEL NO.	COMPATIBLE METERS*
bar	psi		
1/2 NPT STANDARD MODELS			
0 to 20.7	0 to 300	PX44E0-300GI	DP41-E, DP25B-E, DP24-E
0 to 500	0 to 34.5	PX44E0-500GI	DP41-E, DP25B-E, DP24-E
0 to 1000	0 to 68.9	PX44E0-1KGI	DP41-E, DP25B-E, DP24-E
0 to 1500	0 to 103	PX44E0-1.5KGI	DP41-E, DP25B-E, DP24-E
0 to 2000	0 to 138	PX44E0-2KGI	DP41-E, DP25B-E, DP24-E
0 to 2500	0 to 172	PX44E0-2.5KGI	DP41-E, DP25B-E, DP24-E
0 to 3000	0 to 207	PX44E0-3KGI	DP41-E, DP25B-E, DP24-E
0 to 5000	0 to 345	PX44E0-5KGI	DP41-E, DP25B-E, DP24-E
G1/2 METRIC MODELS			
bar	psi	MODEL NO.	COMPATIBLE METERS*
0 to 40	0 to 580	PXM44ME0-040BARGI	DP41-E, DP25B-E, DP24-E
0 to 60	0 to 870	PXM44ME0-060BARGI	DP41-E, DP25B-E, DP24-E
0 to 100	0 to 1450	PXM44ME0-100BARGI	DP41-E, DP25B-E, DP24-E
0 to 160	0 to 2321	PXM44ME0-160BARGI	DP41-E, DP25B-E, DP24-E
0 to 250	0 to 3626	PXM44ME0-250BARGI	DP41-E, DP25B-E, DP24-E
0 to 350	0 to 5000	PXM44ME0-350BARGI	DP41-E, DP25B-E, DP24-E

Comes complete with 5-point NIST Traceable calibration.

* See omega.com/meters for compatible meters.

To order sealed gage models, replace "G" in model number with "S" (no extra charge).
 To order absolute gage models, replace "G" in model number with "A" (no extra charge).
 To order with DIN connector replace "E0" with "E6" (no extra charge).

Ordering Examples: PX44E0-1KAI, 1000 psi absolute pressure transducer with stainless steel wetted parts, 3 m (10') cable and 4 to 20 mA output.

PXM44ME0-100BARGI, 100 bar sealed gage metric pressure transducer with stainless steel wetted parts, 3 m (10') cable and 4 to 20 mA output.

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• Heaters

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