

316 STAINLESS STEEL INDUSTRIAL PRESSURE TRANSMITTER

PX831 Series

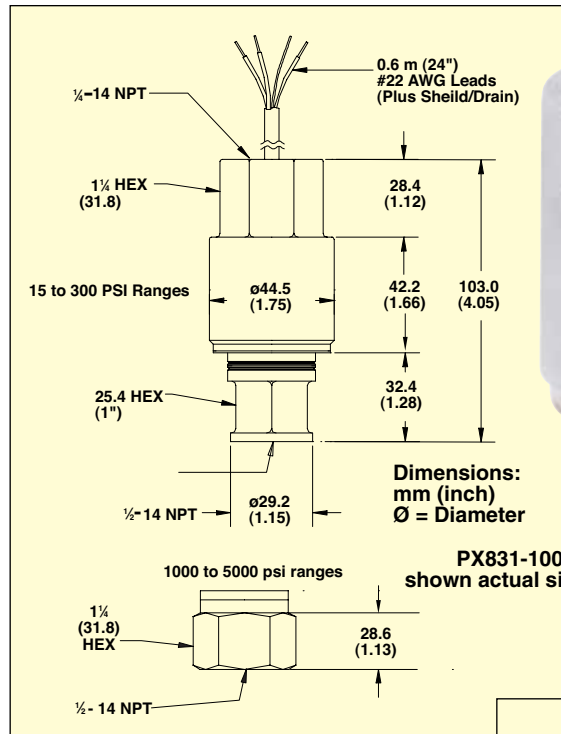


- ✓ 0.3% Full Scale Accuracy
- ✓ Compact Size
- ✓ ½ NPT Process Connection
- ✓ ¾ NPT Conduit Connection with 0.6 m (24") Cable
- ✓ All Welded 316 Stainless Steel Construction
- ✓ FM Approved

The PX831 is a durable, accurate, fixed-range transmitter designed to give years of stable performance in even the toughest environmental and media conditions. Its small size and light weight eliminate the need for complicated mounting hardware and mechanical supports, thereby reducing installation time substantially. The in-line connection permits simple field wiring without additional hardware, contributing to the speed and ease of installation.

SPECIFICATIONS

Excitation: 12 to 30 Vdc
Output: 4 to 20 mA (2 wire)
Max Loop Resistance: 900 Ω @ 30 Vdc
Accuracy: ±0.3% of span @ 25°C (includes linearity, hysteresis and repeatability)
Zero Offset: 4 mA ±2% of span
Span: 16 mA ±1% of span
Storage/Process Temperatures: -40 to 100°C (-40 to 212°F)
Ambient Temperature: -40 to 60°C (-40 to 140°F)
Thermal Effects (Zero and Span Combined): ±2% per 28°C (50°F) from -40 to 60°C (-40 to 140°F)
Proof Pressure: 300% of rated pressure
Humidity Limits: 0 to 100% RH
Vibration Effect: ± 0.1% FS for 3 g to 200 Hz
Housing: 316 stainless steel, NEMA 4 (IP66) rated



Metric thread adaptors available.

Wetted Parts: 316 L stainless steel
Fill Fluid: DC 200 silicone
Weight: 374 g (0.87 lb)
Factory Mutual: Explosion-proof for Class I, Division I, Groups B, C and D; Class II Groups E, F and G; and Class III Hazardous Locations and Indoor and Outdoor NEMA 4 (IP65) Enclosure

Canadian Standards Association: Explosion-proof for Class I, Division I, Groups B, C and D; Class II Groups E, F and G; and Class III Hazardous Locations and meets CSA requirements for Enclosure 4

To Order		
RANGE	MODEL NO.	COMPATIBLE METERS*
0 to 15 psig	PX831-015GI	iSeries, DP41-E, DP25B-E, DP24-E
0 to 30 psig	PX831-030GI	iSeries, DP41-E, DP25B-E, DP24-E
0 to 100 psig	PX831-100GI	iSeries, DP41-E, DP25B-E, DP24-E
0 to 300 psig	PX831-300GI	iSeries, DP41-E, DP25B-E, DP24-E
0 to 1000 psig	PX831-1KGI	iSeries, DP41-E, DP25B-E, DP24-E
0 to 3000 psig	PX831-3KGI	iSeries, DP41-E, DP25B-E, DP24-E
0 to 5000 psig	PX831-5KGI	iSeries, DP41-E, DP25B-E, DP24-E
ABSOLUTE PRESSURE		
0 to 15 psia	PX831-015AI	iSeries, DP41-E, DP25B-E, DP24-E
0 to 30 psia	PX831-030AI	iSeries, DP41-E, DP25B-E, DP24-E
0 to 100 psia	PX831-100AI	iSeries, DP41-E, DP25B-E, DP24-E
VACUUM AND COMPOUND RANGES		
0 to 30 inHg vacuum	PX831-30VACI	iSeries, DP41-E, DP25B-E, DP24-E
30 inHg vac to 15 psig	PX831-30V15GI	iSeries, DP41-E, DP25B-E, DP24-E
30 inHg vac to 30 psig	PX831-30V30GI	iSeries, DP41-E, DP25B-E, DP24-E
30 inHg vac to 60 psig	PX831-30V60GI	iSeries, DP41-E, DP25B-E, DP24-E

Comes complete with operator's manual.

* Visit us online for compatible meters.

Ordering Example: PX831-100GI, industrial pressure transmitter with 0 to 100 psig range and 4 to 20 mA output.



CURRENT OUTPUT PRESSURE TRANSDUCERS

B