

# LOW-POWER INDUSTRIAL PRESSURE TRANSDUCER 316 STAINLESS STEEL

## PX832 Series



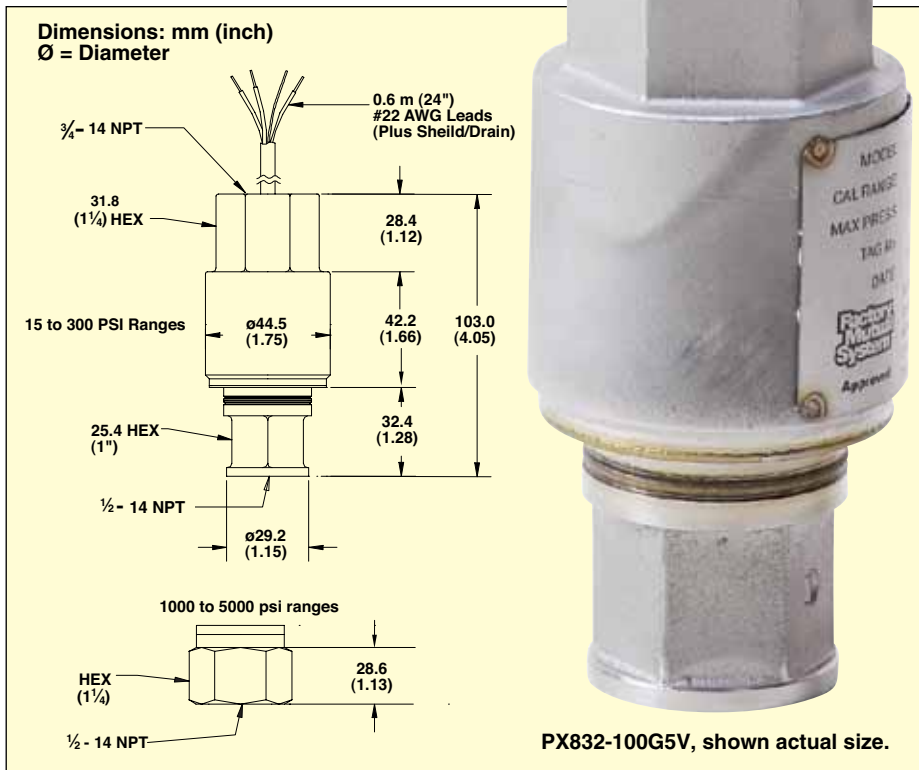
- ✓ 0.3% Full Scale Accuracy
- ✓ 1 to 5 Vdc Output on 8 to 14 Vdc Power
- ✓ Compact Size
- ✓ All Welded 316 Stainless Steel Construction
- ✓ FM Approved

The PX832 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, contributing to the speed and ease of installation.

### SPECIFICATIONS

**Excitation:** 8 to 14 Vdc  
**Output:** 1 to 5 Vdc (3 wire)  
**Accuracy:** ±0.3% of span @ 25°C (includes linearity, hysteresis and repeatability)  
**Zero Offset:** 1 Vdc ±1% of span  
**Span:** 4 Vdc ±1% of span  
**Storage Temperature:** -40 to 100°C (-40 to 212°F)  
**Process Temperature:** -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)

Metric thread adaptors available, visit us online.



PX832-100G5V, shown actual size.

**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  
**Wetted Parts:** 316 L stainless steel  
**Fill Fluid:** DC 200 silicone  
**Weight:** 374 g (0.82 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	PX832-015G5V	DP41-E, DP25B-E, DP24-E
0 to 30 psig	PX832-030G5V	DP41-E, DP25B-E, DP24-E
0 to 100 psig	PX832-100G5V	DP41-E, DP25B-E, DP24-E
0 to 300 psig	PX832-300G5V	DP41-E, DP25B-E, DP24-E
0 to 1000 psig	PX832-1KG5V	DP41-E, DP25B-E, DP24-E
0 to 3000 psig	PX832-3KG5V	DP41-E, DP25B-E, DP24-E
0 to 5000 psig	PX832-5KG5V	DP41-E, DP25B-E, DP24-E

Comes complete with operator's manual.

\* Visit us online for compatible meters.

**Ordering Example:** PX832-100G5V, industrial pressure transmitter with 0 to 100 psig range and 1 to 5 Vdc output.