



# LOW-POWER INDUSTRIAL PRESSURE TRANSDUCER

## 316 STAINLESS STEEL

### PX832 Series

PX832-100G5V, \$485, shown actual size.

All Models  
**\$485**



- ✓ 0.3% Full Scale Accuracy
- ✓ 1 to 5 Vdc Output on 8 to 14 Vdc Power
- ✓ Compact Size
- ✓ 1/2 NPT Process Connection
- ✓ 3/4 NPT Conduit Connection with 0.6 m (24") Cable
- ✓ 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.

The PX832 has a 1 to 5 Vdc output and requires less than 30 mW power for operation. The combination of low power requirement, small size, excellent performance, and low price makes it ideal for critical outdoor, solar/battery-powered applications. The PX832 requires 8 to 14 Vdc excitation and is available in pressure ranges from 15 to 5000 psi.

With its all-welded design, the PX832 is weatherproof and capable of withstanding a direct spray with forces up to 200 psi without internal leakage. The all 316 stainless steel housing and wetted parts make it compatible with corrosive media

and hazardous environments. The PX832 is designed to meet FM explosion-proof ratings and NACE standards for offshore requirements.

#### 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)
- 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
- Process Connection:** 1/2 NPT female



- Electrical Connection:** 0.6 m (24"), 22 AWG cable with 3/4 NPT female conduit port
- 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

**MOST POPULAR MODELS HIGHLIGHTED!**

#### To Order (Specify Model Number)

RANGE	MODEL NO.	PRICE	COMPATIBLE METERS*
0 to 15 psig	PX832-015G5V	\$485	iSeries, DP41-E, DP25B-E, DP24-E
0 to 30 psig	PX832-030G5V	485	iSeries, DP41-E, DP25B-E, DP24-E
0 to 100 psig	PX832-100G5V	485	iSeries, DP41-E, DP25B-E, DP24-E
0 to 300 psig	PX832-300G5V	485	iSeries, DP41-E, DP25B-E, DP24-E
0 to 1000 psig	PX832-1KG5V	485	iSeries, DP41-E, DP25B-E, DP24-E
0 to 3000 psig	PX832-3KG5V	485	iSeries, DP41-E, DP25B-E, DP24-E
0 to 5000 psig	PX832-5KG5V	485	iSeries, DP41-E, DP25B-E, DP24-E

Comes with operator's manual.

\* See section D for compatible meters.

Ordering Example: PX832-100G5V, industrial pressure transmitter with 0 to 100 psig range and 1 to 5 Vdc output, \$485.

#### ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
CS-2024	\$40	Reference Book: Newnes Mechanical Engineering Pocketbook

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