

GENERAL PURPOSE INDUSTRIAL PRESSURE TRANSDUCER

7/16-20 UNF THREAD

PX35 Series

mV/V Output

0-15 to 0-30,000 psi

0-1 to 0-2000 bar

1 bar = 14.5 psi

1 kg/cm² = 14.22 psi

1 Atmosphere = 14.7 psi = 29.93

in-Hg = 760.2 mm-Hg = 1.014 bar

Starts at
\$360



Standard

- ✓ All Stainless Steel Construction
- ✓ High Operating Temperature 163°C (325°F)
- ✓ Hermetically Sealed for Harsh Environments
- ✓ Available in Vented Gage, Sealed Gage or Absolute Pressure Models

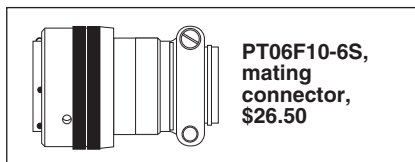
PX35 transducer series is a rugged, general purpose 30 mV output, industrial pressure transducer. It has a hermetically sealed, all stainless steel case which makes it suitable for the harsh conditions found in industry. The PX35 is available in gage, absolute or sealed gage models. A Bendix style connector is standard, or a 3 m (10') cable is also available.

SPECIFICATIONS

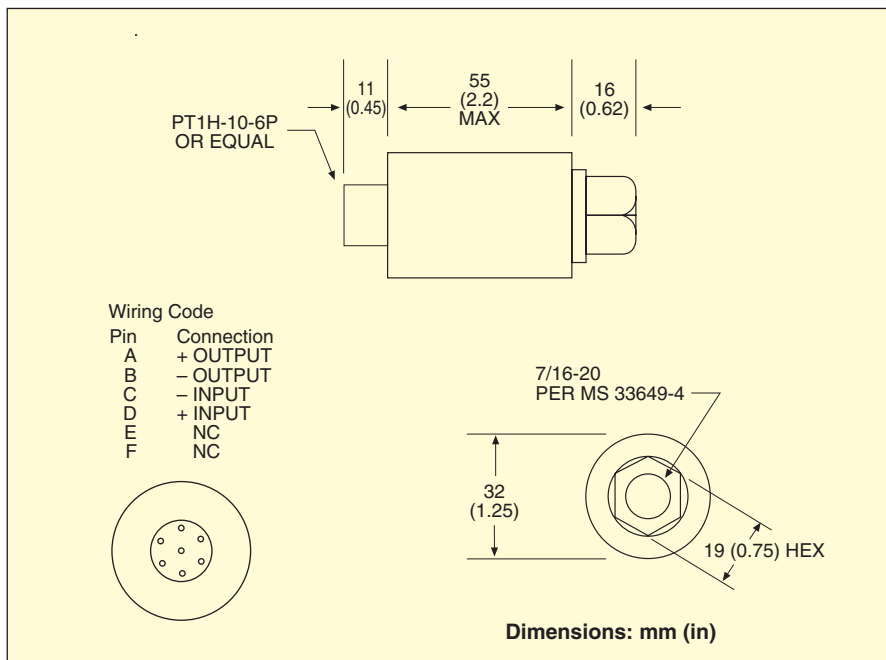
Excitation: 10 V ac/dc (15V max)

Output: 3 mV/V nominal

Accuracy: 0.25% includes linearity, hysteresis and repeatability



PX35K1-1KGV, \$360, shown actual size.



Input Resistance: 360 Ω min

Output Resistance: 350 ±5 Ω

Zero Balance: ±2.0% FS

Operational Temp Range:

-73 to 163°C (-100 to 325°F)

Compensated Temp Range:

16 to 71°C (60 to 160°F)

Thermal Effects:

Span: 0.003% rdg/°F

Zero: 0.004% FS/°F

Proof Pressure: 150% of rated pressure

Burst Pressure: 300% of rated pressure

Wetted Parts: 17-4PH SS

Pressure Port:

<10000 psi: 7/16-20 UNF-2A internal

≥10,000 psi: 7/16-18, 1/4" HP tube

Electrical Connection:

PH1H-10-6P or equal

Optional: 3 m (10') cable

Mating Connector: PT06F10-6S (not included)



MILLIVOLT OUTPUT
PRESSURE TRANSDUCERS
B

CUSTOM CONFIGURATIONS

SERIES PX35	PRESSURE PORT [1]	ELECTRICAL CONNECTION [2]	RANGE (PSI) [3]	UNITS [4]	OUTPUT [5]	OPTIONS [6]
C = ¼-18 NPT-M +\$20 D = ¼-18 NPT-F no charge J = 7/16-20 UNF-M +\$20 K = 7/16-20 UNF-F no charge S = ¼ HP tube fitting as shown (Ranges ≥ 10,000 psi)			10 15 20 25 30 50 75 100 150 200 250 300 500 750 1K 1K 2K 2.5K 3K 3.5K 5K 7.5K 10K* 15K* 20K* 30K*	A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S A, G, S	V = mV/V Base Price PX35D \$360 ≤ 1,000 psi \$425 > 1,000 psi	OX = Cleaned for Oxygen Service + \$75 + 2 weeks See page B-274 for additional options including extended compensated temperatures.
0 = 3 m (10 ft) cable (std) +\$2/.3 m (ft) over 3 m (10 ft) 1 = PT1H-10-6P Connector (or equal) (no charge) Mating Connector not included, order PT06F10-6S, \$26.50						
* 7/16-18, ¼" HP Tube Connection Metric Ranges Available - Consult Engineering						
To Order a Custom Configuration: 1. Select a Pressure Port 2. Select Electrical Connection 3. Select a Pressure Range 4. Select Pressure Units 5. Select Output 6. Select Options and Agency Approvals						

7/16-20 Pressure Connection and Bendix Style Connector

To Order (Specify Model Number)			
RANGE (psi)	MODEL NO.	PRICE	COMPATIBLE METERS
ABSOLUTE—ALL RANGES AVAILABLE IN ABSOLUTE PRESSURE			
0 to 30	PX35K1-030AV	\$360	DP41-S, DP25-S
0 to 50	PX35K1-050AV	360	DP41-S, DP25-S
GAGE—ALL RANGES AVAILABLE IN SEALED GAGE PRESSURE			
0 to 20	PX35K1-020GV	\$360	DP41-S, DP25-S
0 to 30	PX35K1-030GV	360	DP41-S, DP25-S
0 to 50	PX35K1-050GV	360	DP41-S, DP25-S
0 to 100	PX35K1-100GV	360	DP41-S, DP25-S
0 to 200	PX35K1-200GV	360	DP41-S, DP25-S
0 to 300	PX35K1-300GV	360	DP41-S, DP25-S
0 to 500	PX35K1-500GV	360	DP41-S, DP25-S
0 to 1,000	PX35K1-1KGV	360	DP41-S, DP25-S
0 to 2,000	PX35K1-2KGV	425	DP41-S, DP25-S
0 to 3,000	PX35K1-3KGV	425	DP41-S, DP25-S
0 to 5,000	PX35K1-5KGV	425	DP41-S, DP25-S
0 to 10,000*	PX35S1-10KGV	445	DP41-S, DP25-S
0 to 15,000*	PX35S1-15KGV	445	DP41-S, DP25-S**
0 to 20,000*	PX35S1-20KGV	445	DP41-S, DP25-S**
0 to 30,000*	PX35S1-30KGV	445	DP41-S, DP25-S**

Comes complete with 5-point NIST traceable calibration.

* 7/16-18, ¼" HP tube connection.

** 4-digit meter, counts in increments of 10.

Metric ranges available, consult Engineering.

To order absolute pressure, replace "G" in model number with "A", no extra charge.

To order sealed gage, replace "G" in model number with "S", no extra charge.

Ordering Examples: PX35K1-300GV, 300 psi gage pressure transducer with 7/16-20 female connection and Bendix connector, **\$380.**

PX35S1-15KGV, 15,000 psi gage pressure transducer with 7/16-18, ¼" HP tube connection and Bendix connector, **\$445.**

PT06F10-6S, mating connector (sold separately), **\$26.50.**