GENERAL PURPOSE INDUSTRIAL PRESSURE TRANSDUCER

7/6-20 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 $1 \text{ kg/cm}^2 = 14.22 \text{ psi}$ 1 Atmosphere = 14.7 psi = 29.93 in-Hg = 760.2 mm-Hg = 1.014 bar

- FM Approved Intrinsically Safe
- All Stainless Steel Construction
- High Operating Temperature 149°C (300°F)
- Hermetically Sealed for **Harsh Environments**
- Available in Vented Gage. **Sealed Gage or Absolute Pressure Models**

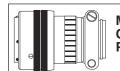
OMEGA's PX35 Transducer Series is a rugged, general purpose 30 millivolt output, industrial pressure transducer. It has a hermetically sealed, all stainless steel case which makes it suitable for the harsh conditions found in industry. The PX35 is available in gage, absolute or sealed gage models. A Bendix style connector is standard, or a 10 ft cable is also available.

SPECIFICATIONS:

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

Output: 3 mV/V ±10%

Accuracy: 0.25% includes liniearity, hysteresis and repeatability



Mating Connector PT06F-10-6S

To Order: (Specify Model Number)



Model PX35K1-1KGV **Shown Actual Size**

COMPATIBLE METERS

Absolute Pressure (All Ranges Available in Absolute Pressure)							
0 to 30	PX35K1-030AV	£241	DP41-S, DP25-S				
0 to 50	PX35K1-050AV	241	DP41-S, DP25-S				
Gage Pressure (All Ranges Also Available in Sealed Gage Pressure)							
0 to 20	PX35K1-020GV	241	DP41-S, DP25-S				
0 to 30	PX35K1-030GV	241	DP41-S, DP25-S				
0 to 50	PX35K1-050GV	241	DP41-S, DP25-S				
0 to 100	PX35K1-100GV	241	DP41-S, DP25-S				
0 to 200	PX35K1-200GV	241	DP41-S, DP25-S				
0 to 300	PX35K1-300GV	241	DP41-S, DP25-S				
0 to 500	PX35K1-500GV	241	DP41-S, DP25-S				
0 to 1,000	PX35K1-1KGV	241	DP41-S, DP25-S				

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Models with 7/16-20 Pressure Connection and Bendix Style Connector

MODEL NUMBER PRICE

0 to 2,000

0 to 3,000

0 to 5,000

0 to 10,000*

0 to 15,000*

0 to 20,000*

0 to 30,000*

DP41-S, DP25-S

DP41-S, DP25-S

DP41-S, DP25-S

DP41-S, DP25-S

DP41-S, DP25-S**

DP41-S, DP25-S**

DP41-S, DP25-S**

Metric Ranges Available - Consult Engineering

To order Absolute Pressure replace the "G" in model number with "A" (no extra charge). To order Sealed Gage units replace "G" in model number with "S" (no extra charge).

Ordering Examples: Mating Connector: (not included) PT06F10-6S

PX35K1-2KGV

PX35K1-3KGV

PX35K1-5KGV

PX35S1-10KGV

PX35S1-15KGV

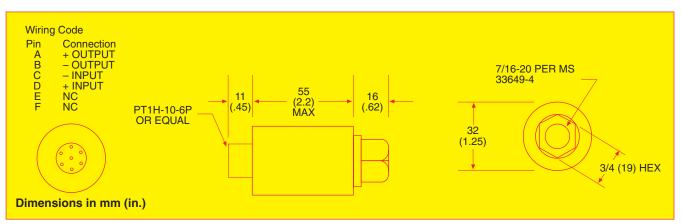
PX35S1-20KGV

PX35S1-30KGV

1.) PX35K1-300GV is a 300 psi gage pressure transducer 2.) PX35S1-15KGV is a 15,000 psi gage pressure transducer with %-18, ¼" HP Tube Connection

^{* %-18,} ¼" HP Tube Connection

^{** 4} Digit meter, counts in increments of 10



Input Resistance: 360 Ω Min. Output Resistance: 350 \pm 5 Ω Zero Balance: ±2.0% FS Agency Approvals: FM Intrinsically Safe IS/I.II.III/1/CDEFG – Standard **Operational Temp Range:**

-73 to +149°C (-100 to 300°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 Stainless Steel

Pressure Port: <10000 psi: %₀-20 UNF-2A Internal ≥10,000 psi: %₀-18, ¼" HP tube **Electrical Connection:**

PH1H-10-6P or equal Optional: 10 ft (3m) Cable **Mating Connector:** PT06A-10-6S (not included)

CUSTOM CONFIGURATIONS

SERIES PRESSURE CONNECTION [1] [2] C = ¼-18 NPT-M D = ¼-18 NPT-F no charge J = %-20 UNF-M K = %-20 UNF-F no charge S = ¼ HP tube fitting as shown (Ranges ≥ 10,000 psi) £ 13 0 = 3 m (10 ft) cable (std) 1 = PT1H-10-6P Connector (or equal) (no charge)	RANGE (PSI) [3] 10 15 20 25 30 50 75 100 150 250 300 500 750 1K	A, G, S A, G, S	OUTPUT [5] V = mV/V OX Base Price PX35D £241 1,000 psi £285 > 1,000 psi	OPTIONS [6] = Cleaned for Oxygen Service + 2 weeks • See page B-274 for additional options including extended compensated temperatures.
Mating Connector not included, order PT06F-10-6S * %6-18, ¼" HP Tube Connection Metric Ranges Available - Consult Engineering	1K 1K 2K 2.5K 3K 3.5K 5K 7.5K 10K* 15K* 20K* 30K*	A,A,A,A,A,A,A,A,A,A,A,A,A,A,A,A,A,A,A,	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	

To order Absolute Pressure replace the "G" in model number with "A" (no extra charge). To order Sealed Gage units replace "G" in model number with "S" (no extra charge).

Ordering Examples:

- 1.) PX35K1-300GV is a 300 psi gage pressure transducer with 1/6-20 female connection and Bendix connector Mating Connector (not included) PT06F-10-6S
- 2.) PX35S1-15KGV is a 15,000 psi gage pressure transducer with %-18, ¼" HP Tube Connection and Bendix connector Mating Connector (not included) PT06F-10-6S

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