

HIGH-ACCURACY CURRENT OUTPUT TRANSDUCER

7/16-20 OR 1/4 NPT CONNECTIONS

PX02 Series
4 to 20 mA Output
0-2 to 0-30,000 psi
0-150 mbar to 0-2000 bar



PX02K1-100GI,
NPT connector
style, \$650,
shown smaller
than actual size.



PX02C0-100GI, NPT cable
style, \$670, shown smaller
than actual size.

Starts at
\$650



- ✓ High Accuracy
- ✓ FM Intrinsically Safe
- ✓ 5-Point Calibration Provided
- ✓ All Stainless Steel Construction

- ✓ Hermetically Sealed Design for Harsh Environments
- ✓ Available in Gage, Absolute, Sealed Gage, psi, and Metric Ranges
- ✓ Cable or Connector Models

✓ Optional Pressure Ports to Fit Most Industrial Applications

OMEGA's PX02 is a high-accuracy industrial pressure transmitter. All stainless steel construction and a sealed case make the PX02 suitable for harsh industrial

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

RANGE	7/16-20 MODEL NO.	PRICE	1/4 NPT MODEL NO.	PRICE	COMPATIBLE METERS†	
ABSOLUTE PRESSURE (All Ranges Available in Absolute Pressure)						
0 to 10 psi	0 to 0.69 bar	PX02K1-010AI	\$765	PX02C1-010AI	\$785	DP41-E, DP25B-E
0 to 15 psi	0 to 1.0 bar	PX02K1-015AI	765	PX02C1-015AI	785	DP41-E, DP25B-E
0 to 20 psi	0 to 1.4 bar	PX02K1-020AI	765	PX02C1-020AI	785	DP41-E, DP25B-E
0 to 25 psi	0 to 1.7 bar	PX02K1-025AI	765	PX02C1-025AI	785	DP41-E, DP25B-E
0 to 50 psi	0 to 3.4 bar	PX02K1-050AI	700	PX02C1-050AI	720	DP41-E, DP25B-E
GAGE PRESSURE (All Ranges Also Available in Sealed Gage Pressure)						
0 to 2 psi	0 to 0.14 bar	PX02K1-002GI	\$715	PX02C1-002GI	\$735	DP41-E, DP25B-E
0 to 5 psi	0 to 0.34 bar	PX02K1-005GI	715	PX02C1-005GI	735	DP41-E, DP25B-E
0 to 10 psi	0 to 0.69 bar	PX02K1-010GI	715	PX02C1-010GI	735	DP41-E, DP25B-E
0 to 15 psi	0 to 1.0 bar	PX02K1-015GI	715	PX02C1-015GI	735	DP41-E, DP25B-E
0 to 50 psi	0 to 3.4 bar	PX02K1-050GI	650	PX02C1-050GI	670	DP41-E, DP25B-E
0 to 75 psi	0 to 5.2 bar	PX02K1-075GI	650	PX02C1-075GI	670	DP41-E, DP25B-E
0 to 100 psi	0 to 6.9 bar	PX02K1-100GI	650	PX02C1-100GI	670	DP41-E, DP25B-E
0 to 200 psi	0 to 13.8 bar	PX02K1-200GI	650	PX02C1-200GI	670	DP41-E, DP25B-E
0 to 300 psi	0 to 20.7 bar	PX02K1-300GI	650	PX02C1-300GI	670	DP41-E, DP25B-E
0 to 500 psi	0 to 34.5 bar	PX02K1-500GI	650	PX02C1-500GI	670	DP41-E, DP25B-E
0 to 1000 psi	0 to 68.9 bar	PX02K1-1KGI	650	PX02C1-1KGI	670	DP41-E, DP25B-E
0 to 1500 psi	0 to 103 bar	PX02K1-1.5KGI	650	PX02C1-1.5KGI	670	DP41-E, DP25B-E
0 to 2000 psi	0 to 138 bar	PX02K1-2KGI	650	PX02C1-2KGI	670	DP41-E, DP25B-E
0 to 3500 psi	0 to 241 bar	PX02K1-3.5KGI	650	PX02C1-3.5KGI	670	DP41-E, DP25B-E
0 to 5000 psi	0 to 345 bar	PX02K1-5KGI	650	PX02C1-5KGI	670	DP41-E, DP25B-E
0 to 7500 psi	0 to 517 bar	PX02K1-7.5KGI	650	PX02C1-7.5KGI	670	DP41-E, DP25B-E
0 to 10,000 psi**	0 to 689 bar	PX02S1-10KGI	750	not available		DP41-E, DP25B-E*
0 to 20,000 psi**	0 to 1379 bar	PX02S1-20KGI	750	not available		DP41-E, DP25B-E*
0 to 30,000 psi**	0 to 2068 bar	PX02S1-30KGI	750	not available		DP41-E, DP25B-E*

Comes with 5-point calibration.

* 4-digit meter, counts in increments of 10. ** 1/4 HP tube fitting. † See section D for compatible meters.

To order absolute pressure, replace "G" in model number with "A" and add \$50.

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

Ordering Examples: PX02K1-1KGI, 1000 psi gage transducer with 4 to 20 mA output, twist lock connector and 7/16-20 female pressure connection, \$650. PT06F-10-6S, mating connector (not included), \$26.50. PX02C0-010GI, 10 psi gage transducer with 4 to 20 mA output, 3 m (10') cable and 1/4 NPT male pressure connection, \$735.

HIGH-ACCURACY ALL STAINLESS STEEL TRANSDUCER

environments. It is a true high-accuracy industrial device with FM/CSA Intrinsic Safety approvals standard. A broad temperature-compensated range of 16 to 71°C (60 to 160°F) and a high operating range to 121°C (250°F) make this transducer very stable for applications with fluctuating temperatures.

The PX02 is available in gage, absolute, or sealed models, as well as in psi or metric ranges. NPT and 1/16-20 O-ring seal fittings are available for industrial and hydraulic applications.

SPECIFICATIONS

4 to 20 mA Output

Excitation: 10 to 40 Vdc

Output: 4 to 20 mA ±10% adj

Zero Balance: 4 mA +10% -2% adj

Linearity: ±0.15% FSO

Hysteresis: ±0.1% FSO

Repeatability: ±0.05% FSO

Sensing Element: 4-active-arm bridge, using thick-film strain gages in a hermetically sealed chamber (except gage units)

Operating Temp Range: -46 to 121°C (-50 to 250°F)

Compensated Temp Range: 16 to 71°C (60 to 160°F)

Thermal Effects:
Span: 0.005% FSO/°F
Zero: 0.005% FSO/°F

Proof Pressure: 150% of rated pressure

Burst Pressure: 300% of rated pressure

Wetted Parts: 17-4 PH stainless steel

Pressure Port: Ranges <10000 psi: 1/16-20 UNF female
Also available: 1/4-18 NPT M/F ranges
10,000-30,000 psi = 1/8-18, 1/4" HP tube

Electrical Connection: PTIH-10-6P or equal. Also available: 3 m (10') 2-conductor cable; explosion-proof amplifier housing

Mating Connector: PT06F10-6S (not included), metric ranges available

Weight: 388 g (13.7 oz)

CUSTOM CONFIGURATIONS

SERIES PX02	PRESSURE PORT [1]	ELECTRICAL CONNECTION [2]	RANGE (psi) [3]	UNITS [4]	OUTPUT [5]	OPTIONS [6]
Models < 10,000 psi			002*	S,G,A	V = mV/V output base price all ranges	OL = Overload stops +\$65 (when available)
C = 1/4-18 NPT-M			005*	S,G,A		
D = 1/4-18 NPT-F, no charge			010	S,G,A	5T = 0 to 5 Vdc output +\$155 all ranges	OX = Cleaned for oxygen service +\$75 plus 2 weeks
J = 1/16-20 UNF-M			015	S,G,A		
K = 1/16-20 UNF-F, no charge			020	S,G,A	5Z = Isolated 0 to 5 Vdc output +\$190 all ranges	See page B-12 for additional options, including extended temperature ranges.
Models ≥10,000 psi			025	S,G,A		
S = 1/4 HP tube fitting no charge			050	S,G,A	10T = 0 to 10 Vdc output +\$155 all ranges	
			075	S,G,A		
			100	S,G,A	I = 4 to 20 mA output +\$175 all ranges	
			150	S,G,A		
	0 = 3 m (10') cable (std) +\$2/ft over 3 m (10')		200	S,G,A		
	1 = PTIH-10-6P connector (or equal, no charge). Mating connector (not included), order PT06F-10-6S \$26.50		250	S,G,A		
	5 = Lightning-protected amplifier box (no charge) (4 to 20 mA models only)		300	S,G,A		
	6 = DIN connector		500	S,G,A		
			750	S,G,A		
			1K	S,G,A		
			1.5K	S,G,A		
			2K	S,G,A		
			3K	S,G,A		
			3.5K	S,G,A		
			5K	S,G,A		
			7.5K	S,G,A		
			10K†	S,G,A		
			20K†	S,G,A		
			30K†	S,G,A		

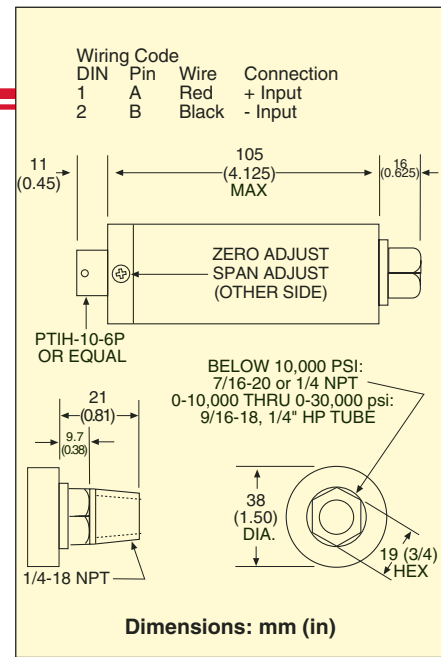
* 2 and 5 psi ranges available only on amplified output.

† Supplied with 1/4 HP tube fitting.

Ordering Examples: PX02C1-100GI, 100 psi gage pressure transducer with 1/4-18 NPT male fitting, PTIH-10-6P, connector, and 4 to 20 mA output, \$475 + 175 + 19 = \$670. PT06F-10-6S, mating connector (not included), \$26.50. PX02K0-1KS5Z, 1000 psi sealed gage pressure transducer with 1/16-20 UNF female fitting, 3 m (10') cable and isolated 0 to 5 output, \$475 + 190 = \$665. PX02J1-015A5T, 15 psi absolute pressure transducer with 1/16-20 UNF male fitting, PTIH-10-6P, connector, and a 0 to 5 Vdc output, \$540 + 155 + 19 = \$714. PT06F-10-6S, mating connector (not included), \$26.50. PX02K1-025GV-FM, 25 psi gage pressure transducer with 1/16-20 UNF female fitting, PTIH-10-6P, connector, mV/V output and FM Hazardous Locations rating, \$540 + 150 = \$690.

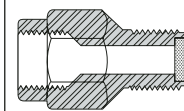
ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
CM-4355	\$80	Reference Book: Automated Continuous Process Control



Dimensions: mm (in)

"C" and "D" Fittings

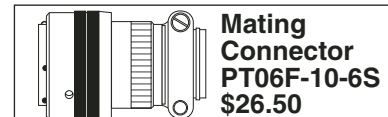


1/4 NPT Pressure
Snubbers: \$10
PS-4G = Gas
PS-4E = Lt Oil
PS-4D = Dense Lq



CURRENT OUTPUT
PRESSURE TRANSDUCERS

B



Mating
Connector
PT06F-10-6S
\$26.50