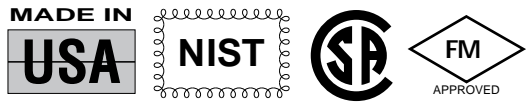




\$915
Model Shown



SPEC SHEET
PX03-TH

Interchangeable with
Model TH-2V3

Model PX03K1-300G5T
Shown Smaller than Actual Size

PX03 SERIES
Triple Range
0-5 Vdc Output

0-5 to 30,000 psi
0-350 mbar to 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

- ✓ High Accuracy
- ✓ Switch Selectable - Specifications Apply to All Ranges
- ✓ Internal Shunt-Resistor for Each Range
- ✓ FM/CSA Intrinsically Safe - Standard
- ✓ All Stainless Steel Construction
- ✓ Hermetically Sealed Double Diaphragm 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

For Sales and Service
In U.S.A. and Canada

1-800-872-3963
1-800-USA-DYNE

International Customers Dial
(614) 965-9340
24-Hour FAX (614) 965-9438

OMEGADYNESM FAX

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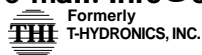
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<http://www.omegadyne.com>

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HIGH ACCURACY TRIPLE RANGE VOLTAGE OUTPUT PRESSURE TRANSDUCER

7/16-20 Pressure or 1/4 NPT Connection

Prices Shown in U.S. Dollars

↔ Most Popular Models Highlighted ↔

To Order: (Specify Model Number)

Models with 7/16-20 Connection / Connector Style or 1/4 NPT

Range (psi)	Model Number	Price	Compatible Meters
Absolute Pressure (All Ranges Available in Absolute Pressure)			
15/10/5	PX03[*]1-015A5T	\$915	INFP, INFPCP, IDP
20/15/10	PX03[*]1-020A5T	915	INFP, INFPCP, IDP
30/20/10	PX03[*]1-030A5T	915	INFP, INFPCP, IDP
35/25/15	PX03[*]1-035A5T	915	INFP, INFPCP, IDP
50/35/20	PX03[*]1-050A5T	915	INFP, INFPCP, IDP
Gage Pressure (All Ranges Also Available in Sealed Gage Pressure)			
15/10/5	PX03[*]1-015G5T	915	INFP, INFPCP, IDP
20/15/10	PX03[*]1-020G5T	915	INFP, INFPCP, IDP
30/20/10	PX03[*]1-030G5T	915	INFP, INFPCP, IDP
35/25/15	PX03[*]1-035G5T	915	INFP, INFPCP, IDP
50/35/20	PX03[*]1-050G5T	915	INFP, INFPCP, IDP
75/50/25	PX03[*]1-075G5T	915	INFP, INFPCP, IDP
100/75/50	PX03[*]1-100G5T	915	INFP, INFPCP, IDP
200/150/75	PX03[*]1-200G5T	915	INFP, INFPCP, IDP
300/200/100	PX03[*]1-300G5T	915	INFP, INFPCP, IDP
500/300/150	PX03[*]1-500G5T	915	INFP, INFPCP, IDP
750/500/250	PX03[*]1-750G5T	915	INFP, INFPCP, IDP
1K/750/350	PX03[*]1-1KG5T	915	INFP, INFPCP, IDP
1.5K/1K/500	PX03[*]1-1.5KG5T	915	INFP, INFPCP, IDP
2K/1.5K/750	PX03[*]1-2KG5T	915	INFP, INFPCP, IDP
3K/2K/1K	PX03[*]1-3KGT	915	INFP, INFPCP, IDP
5K/3.5K/1.5K	PX03[*]1-5KG5T	915	INFP, INFPCP, IDP
7.5K/5K/2.5K	PX03[*]1-7.5KG5T	915	INFP, INFPCP, IDP
10K/7.5K/3.5K**	PX03[*]1-10KG5T	915	INFP, INFPCP, IDP
15K/10K/5K**	PX03[*]1-15KG5T	915	INFP, INFPCP*, IDP*
20K/15K/7.5K**	PX03[*]1-20KG5T	915	INFP, INFPCP*, IDP*
30K/20K/10K**	PX03[*]1-30KG5T	915	INFP, INFPCP*, IDP*
40K/30K/10K**	PX03[*]1-40KG5T	915	INFP, INFPCP*, IDP*

* 4 Digit meter, counts in increments of 10.

** 1/4 HP Tube Fitting

Interchangeable with Model TH-2V3

Metric Ranges Available - Consult Engineering

[*] Insert 'K' for 7/16-20 female connection (price shown) or 'C' for 1/4-NPT male, add \$19.

To order Absolute Pressure replace the "G" in model number with "A" (no charge)

To order Sealed Gage units replace "G" in model number with "S" (no charge)

Ordering Example: PX03K1-1KG5T is a triple range 1000/750/350 psi gage transducer with 0-5 V output, twist lock connector and 7/16-20 female pressure connection, \$915. Mating Connector (not included) **PT06F-10-6S, \$26.50.**

Printed On Recycled Paper



The OMEGADYNE™ PX03 Series are high accuracy, switch selectable, triple range voltage output industrial pressure transducers. All stainless steel construction and a hermetically sealed case makes the PX03 suitable for the harshest industrial environments. The PX03 has FM/CSA Intrinsically Safe approvals standard. A broad temperature compensated range of 16 to 71°C (60 to 160°F) and excellent temperature compensation make these transducers very stable with fluctuating temperatures. The ranges are switch selectable and the accuracy and temperature specifications apply to each range.

The PX03 is available in gage, absolute or sealed models as well as psi or metric ranges. NPT and 7/16-20 UNF O-ring seal fittings are available for industrial and Hydraulic applications.

SPECIFICATIONS: Triple Output
Specifications apply to each range
Electrical:

Excitation: 24-32 V ac/dc

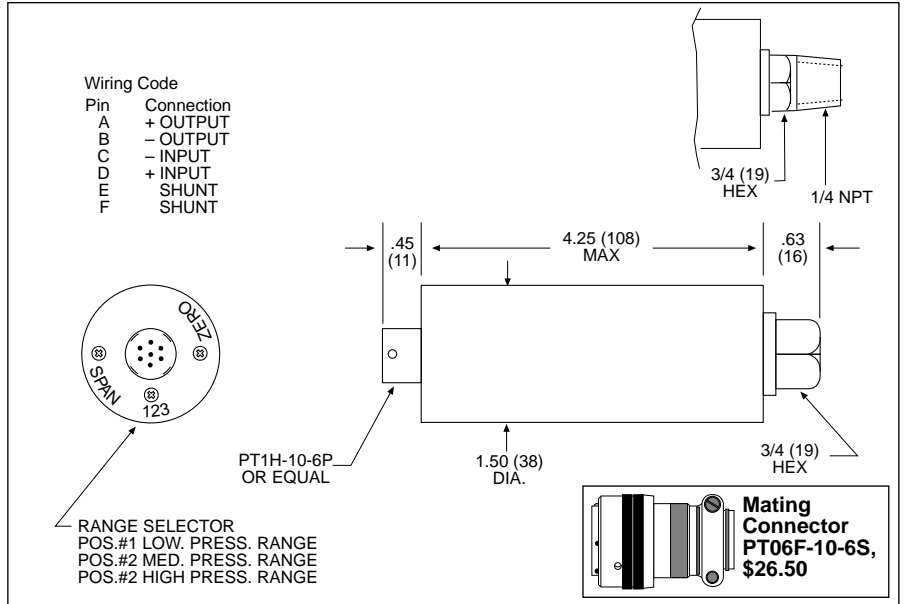
Output: 0-5 Vdc ±10% adj

Zero Balance: 0 V ±10% adj

Agency Approvals: FM/CSA
Intrinsically Safe IS/I.II.III/1/CDEFG
Standard

Performance:

Accuracy Class: 0.15%



Linearity: ±0.15% FSO
Hysteresis: ±0.05% FSO
Repeatability: ±0.05% FSO
Sensing Element: 4 active-arm bridge, using thick film strain gages in a hermetically sealed "double diaphragm" chamber
Shunt Calibration Value: Specified on Calibration sheet
Environmental:
Operational Temp Range: -46 to 121°C (-50 to 250°F)
Compensated Temp Range: 16 to 71°C (60 to 160°F)
Thermal Effects: Span: 0.003% of Rdg/°F Zero: 0.0025% of FSO/°F

Pressure:
Proof Pressure: 150% of rated pressure
Burst Pressure: 300% of rated pressure
Mechanical:
Wetted Parts: 17-4PH SS
Pressure Port: Ranges <10,000 psi: 7/16-20 UNF Female. Also available: 7/16-20 UNF M or 1/4-18 NPT M/F Ranges 10,000-30,000 psi: 9/16-18, 1/4" HP tube
Electrical Connection: PT1H-10-6P or equal.
Mating Connector: PT06F-10-6S (not included)

CUSTOM CONFIGURATIONS

SERIES PX03	PRESSURE PORT [1]	ELECTRICAL CONNECTION [2]	RANGE (PSI) [3]	UNITS [4]	OUTPUT [5]	OPTIONS [6]
	C = 1/4-18 NPT-M +\$19		15/10/5	S,G,A	5T = 0 to 5Vdc Output \$915 all ranges	OL = Overload Stops +\$45
	D = 1/4-18 NPT-F no charge		20/15/10	S,G,A		
	J = 7/16-20 UNF-M +\$19		30/20/10	S,G,A		
	K = 7/16-20 UNF-F no charge		35/25/15	S,G,A		
	Ranges ≥ 10,000 psi		50/35/20	S,G,A		
	S = 9/16-18 1/4" HP tube		75/50/25	S,G,A		
			100/75/50	S,G,A		
			200/150/75	S,G,A		
			300/200/100	S,G,A		
			500/300/150	S,G,A		
			750/500/250	S,G,A		
			1K/750/350	S,G,A		
			1.5K/1K/500	S,G,A		
			2K/1.5K/750	S,G,A		
			3K/2K/1K	S,G,A		
		5K/3.5K/1.5K	S,G,A			
		7.5K/5K/2.5K	S,G,A			
		10K/7.5K/3.5K	S,G,A			
		15K/20K/5K	S,G,A			
		20K/15K/7.5K	S,G,A			
		30K/20K/10K	S,G,A			
		40K/30K/10K	S,G,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

Interchangeable with Model TH-2V3

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Metric Ranges Available - Consult Engineering