

SPEC SHEET

PX78-I

Interchangeable with
Model TH-LVA-LD

SUBMERSIBLE PRESSURE TRANSMITTER

For Level and Depth Measurement

PX78 Series 4-20 mA Output

0-4 to 0-500 psi
0-350 mbar to 0-35 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

Notice: OMEGADYNE does not offer a warranty on this product, its use or application. It is the end user's responsibility to assure proper installation and use of this transducer.

The OMEGADYNE™ PX78 Series transmitters are submersible transducers suitable for liquid level and depth measurement. Their all stainless steel, hermetically sealed housing makes them suitable for immersion in most industrial liquids and oils. A 50 foot vented cable (longer lengths available) provides an atmospheric pressure reference.

SPECIFICATIONS:

Electrical:

Excitation: 10-40 Vdc

Output: 4-20 mA

Max Loop Resistance:
(Input Voltage -10) x 50

Zero Balance: 4 mA ±0.2mA

Performance:

Accuracy Class: 0.25% Linearity, Hysteresis, and Repeatability Combined

Environmental:

Operational Temp Range:
-29 to 93°C (-20 to 200°F)

**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

OMEGADYNE's 24-Hour
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Formerly
THI T-HYDRONICS, INC.

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\$725

Model PX78U7-005GI

Shown Smaller than Actual Size

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

Thermal Effects:
Span: 0.003% of Rdg/°F
Zero: 0.0045% of FSO/°F

Pressure:

Ranges (psi): 5,10,15,30,50,100,250,500

Proof Pressure: 150% of rated pressure

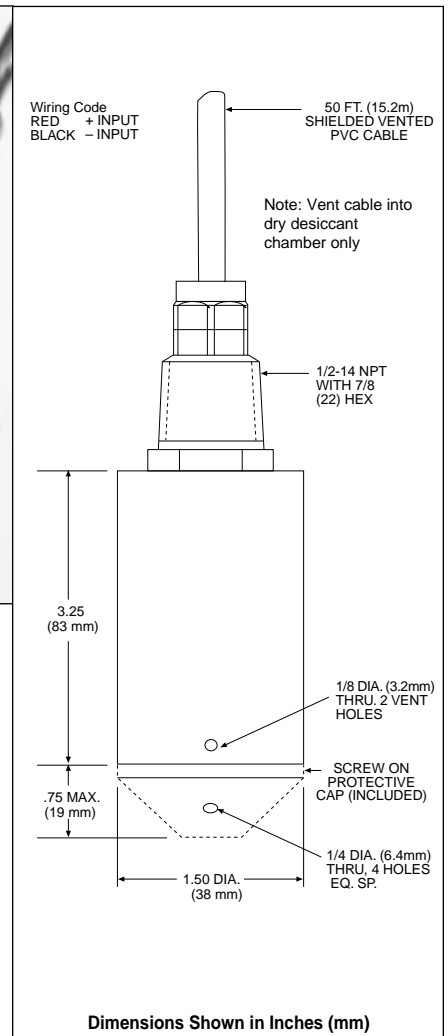
Burst Pressure: 300% of rated pressure

Mechanical:

Wetted Parts: 316 Stainless Steel
Diaphragm 17-4 Stainless Steel Housing

Pressure Port: Nose protector included

Electrical Connection: 50 ft (15.2m)
PVC insulated shielded and vented cable



► **Most Popular Models Highlighted** ◀

Prices Shown in U.S. Dollars

To Order: (Specify Model Number) 50 ft (15.2m) Cable Standard

Range (psig)	Model Number	Price	Compatible Meters
0-4	PX78U7-004GI	\$725	INFP, INFCP, IPD
0-5	PX78U7-005GI	725	INFP, INFCP, IPD
0-10	PX78U7-010GI	725	INFP, INFCP, IPD
0-15	PX78U7-015GI	725	INFP, INFCP, IPD
0-30	PX78U7-030GI	725	INFP, INFCP, IPD
0-50	PX78U7-050GI	725	INFP, INFCP, IPD
0-100	PX78U7-100GI	725	INFP, INFCP, IPD
0-250	PX78U7-250GI	725	INFP, INFCP, IPD
0-500	PX78U7-500GI	725	INFP, INFCP, IPD

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Metric Ranges Available - Consult Engineering

To order with extra cable add "(length in feet)FT" and add \$2.00 per foot over 50 ft.

Ordering Examples: 1.) PX78U7-015GI-100FT is a 15 psi transducer with 4-20 mA output and 100 ft vented cable, \$725 + 50 x 2.00 = \$825.

2.) PX78U7-005GI is a 5 psi Gage Pressure transmitter with 4-20 mA output and the standard 50 ft of vented cable, \$725.

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