

LEVEL DETECTOR FOR PRESSURIZED TANKS WITH VICTAULIC FITTING FOR TANK DEPTH MEASUREMENT



PX77
\$550
Model Shown



PX77 Series mV/V Output 0-5 to 0-15 psi 0-350 to 1000 mbar Differential Pressure

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

- ✓ All Stainless Steel Construction
- ✓ Hermetically Sealed Housing
- ✓ High Accuracy Wet/Wet Differential Pressure

OMEGA's PX77 Series differential pressure transducer is a unique device designed to measure depth of liquid in a pressurized tank. This unit is mounted on the bottom of the tank with the side port either vented to the atmosphere on a vented tank, or connected to the top of the tank for a closed or pressurized tank.

SPECIFICATIONS:

Electrical:

Excitation: 10 Vdc/ac (15V max)

Output: 2.5 mV/V nominal

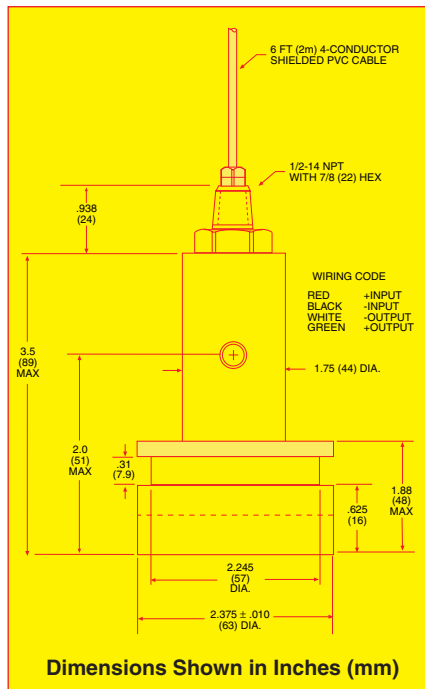
Bridge Resistance:

5000 ohms nominal

Zero Balance: ±2% FSO

Performance:

Accuracy Class: 0.5% Combined Linearity, Hysteresis, and Repeatability



**Model PX77U0-010DV
Shown Smaller than Actual Size**

Thermal Effects:

Span: 0.003% of Rdg/°F

Zero: 0.0025% of FSO/°F

Pressure:

Ranges (psi): 5, 10, 15

Line Pressure:

100% of rated pressure

Proof Pressure:

150% of rated pressure

Burst Pressure:

300% of rated pressure

Wetted Parts: 316 Stainless Steel

Pressure Port: Victaulic 50.8 mm (2") Union

Electrical Connection:

1.8m (6 ft) 4-conductor cable

Sensing Element:

4 active arm bridge with Hermetically sealed thick film strain gage

Environmental:

Operational Temp Range:

-46 to +121°C (-50 to 250°F)

Compensated Temp Range:

16 to 71°C (60 to 160°F)

To Order (Specify Model Number)

RANGE (psid)	MODEL NO.	PRICE	COMPATIBLE METERS
0 to 5	PX77U0-005DV	\$550	DP41-S, DP25-S, DP24-S
0 to 10	PX77U0-010DV	550	DP41-S, DP25-S, DP24-S
0 to 15	PX77U0-015DV	550	DP41-S, DP25-S, DP24-S

Metric Ranges Available - Consult Engineering

To order with extra cable add ".xxxFT" and add \$2.00 per foot over 6 ft (1.8m).

Ordering Examples:

1.) PX77U0-015DV-100FT is a 15 psi transducer with 100 ft (30.5m) of cable, \$550+ 94 x 2.00 = \$738.

2.) PX77U0-005DV is a 5 psi transducer with the standard 6 ft (1.8m) cable, \$550.