

# SUBMERSIBLE PRESSURE TRANSDUCER

## FOR LEVEL AND DEPTH MEASUREMENT

### 38 mm (1.5") DIA.

Supplied with a desiccant.

**PX78 Series**  
**mV/V Output**  
**0-4 to 0-15 psi**  
**0-9.2 to 0-34.6' of water**

Starts at  
**\$560**

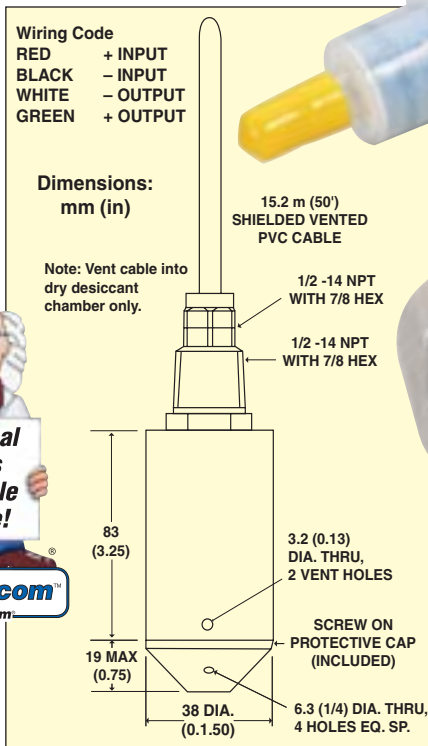


- ✓ All Stainless Steel Construction
- ✓ Hermetically Sealed Housing
- ✓ Screw-On Protective Cap Included
- ✓ 15 m (50') Vented Cable Standard
- ✓ Works with Optional In-Line Amplifiers

OMEGA's PX78 pressure transducer is fully submersible, designed for liquid level and depth measurement. Its all stainless steel hermetically sealed housing makes it suitable for immersion in most industrial liquids and oils. A standard 15 m (50') vented cable (longer lengths available) provides an atmospheric pressure reference. With a 5000 Ω bridge, the PX78 is designed to work with the DMD-16 and DMD-17 in-line amplifiers for long-distance transmission of the signal.

#### SPECIFICATIONS

**Excitation:** 10 Vac/Vdc (15 V max)  
**Output:** 3 mV/V nominal  
 2.5 mV/V ≤ 5 psig  
**Zero Balance:** ±2% FSO  
**Input Resistance:** 5000 Ω min  
**Output resistance:** 5000 ±50 Ω  
**Accuracy:** 0.5% FS includes linearity, hysteresis and repeatability combined  
**Operating Temp Range:**  
 -29 to 93°C (-20 to 200°F)



**Compensated Temp Range:**  
 16 to 71°C (60 to 160°F)  
**Span Error:** 0.003% rdg/°F  
**Zero Error:** 0.005% FSO/°F  
**Proof Pressure:**  
 150% of rated pressure

**MOST POPULAR MODELS HIGHLIGHTED!**

#### To Order (Specify Model Number)

psig	bar	ftH <sub>2</sub> O	MODEL NO.	PRICE	COMPATIBLE METERS*
0 to 4	0 to 0.27	9.2	PX78U7-004GV	\$560	DP41-S, DP25B-S
0 to 5	0 to 0.34	11.5	PX78U7-005GV	560	DP41-S, DP25B-S
0 to 10	0 to 0.69	23.1	PX78U7-010GV	560	DP41-S, DP25B-S
0 to 15	0 to 1.0	34.6	PX78U7-015GV	560	DP41-S, DP25B-S

Comes with complete operator's manual.

Metric ranges available – consult Engineering.

\* See section D for compatible meters.

To order with extra cable, add suffix “-(Length in feet) FT” and add \$3.50/ft beyond standard 15 m (50') length.

**Ordering Examples:** PX78U0-015GV-100FT, 15 psi transducer with 30 m (100') cable, \$560 + (50 x 3.50) = \$735. PX78U0-005GV, 5 psi transducer with the standard 15 m (50') cable, \$560.

#### ACCESSORIES (In-Line Amplifiers)

MODEL NO.	PRICE	DESCRIPTION
DMD-16V	\$165	0 to 5 V output, NEMA 4 (IP65) stainless steel case
DMD-17V	165	0 to 5 V output, NEMA 12 (IP54) enclosure
DMD-16I	165	4 to 20 mA output, NEMA 4 (IP65) stainless steel case
DMD-17V	165	4 to 20 mA output, NEMA 12 (IP54) enclosure

#### ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
A019385	\$35	Replacement desiccant
ME-1756	110	Reference Book: Practical Injection Molding

