

# LOW PRESSURE SUBMERSIBLE TRANSMITTER FOR LEVEL AND DEPTH MEASUREMENT

## PXM79 Series 4-20 mA Output 0-70 mbar to 0-700 mbar

PXM79  
**\$825**  
Model Shown



1 bar = 14.5 psi  
1 kg/cm<sup>2</sup> = 14.22 psi  
1 Atmosphere = 14.7 psi = 29.93 in-Hg = 760.2 mm-Hg = 1.014 bar

- ✓ All Stainless Steel Housing/Inconel Diaphragm
- ✓ Hermetically Sealed Housing
- ✓ Protective Cap Included
- ✓ 15 m Vented Cable Standard

OMEGA's PXM79 Series transmitter is a submersible low pressure transducer suitable for liquid level and depth measurement. Its stainless steel housing and Inconel diaphragm makes it suitable for immersion in most industrial fluids. A 15 m (50 foot) vented cable, longer lengths available, provides an atmospheric reference.

**Notice:** OMEGA 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.

### SPECIFICATIONS:

#### Electrical:

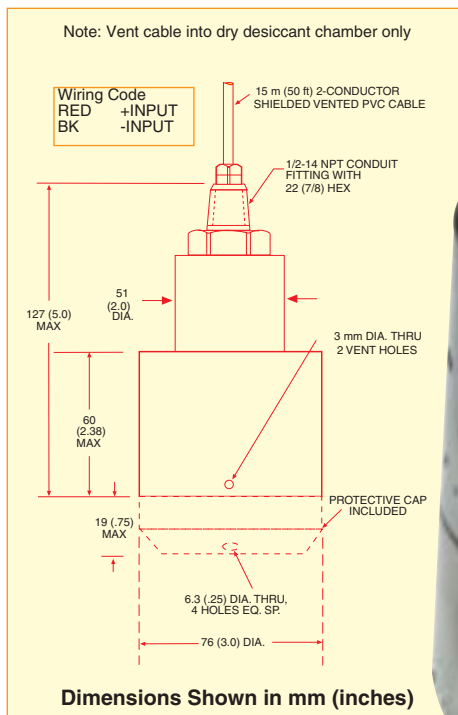
**Excitation:** 10-40 Vdc

**Output:** 4-20 mA ±10%

**Max Loop Resistance:**

(Input Voltage -10) x 50

**Zero Balance:** 4 mA ±5%



Model PXM79U7-200MBARGI  
Shown Smaller than Actual Size



#### Performance:

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

#### Environmental:

**Operational Temp Range:**

-34 to 93°C (-30 to 200°F)

**Compensated Temp Range:**

-1 to 54°C (30 to 130°F)

#### Thermal Effects:

**Span:** 0.0054% of Rdg/°C

**Zero:** 0.008% of FSO/°C

#### Pressure:

**Exterior Pressure:** 69 bar maximum

#### Mechanical:

**Wetted Parts:** 316 Stainless Steel with 625 Inconel Diaphragm

**Pressure Port:** Nose protector included

#### Electrical Connection:

15 m (50 ft) PVC insulated shielded and vented cable

### MOST POPULAR MODEL HIGHLIGHTED

To Order (Specify Model Number) 15 m Cable Standard			
RANGE mbar	MODEL NO.	PRICE	COMPATIBLE METERS*
0 to 70	PXM79U7-070mBARGI	\$825	DP41-E, DP25B-E, DP24-E
0 to 150	PXM79U7-150mBARGI	825	DP41-E, DP25B-E, DP24-E
0 to 200	PXM79U7-200mBARGI	825	DP41-E, DP25B-E, DP24-E
0 to 275	PXM79U7-275mBARGI	825	DP41-E, DP25B-E, DP24-E
0 to 350	PXM79U7-350mBARGI	825	DP41-E, DP25B-E, DP24-E
0 to 700	PXM79U7-700mBARGI	825	DP41-E, DP25B-E, DP24-E

\* See Section D for Compatible Meters.

To order with extra cable add "-(length in metres)M" and add \$6.50 per foot over 15 m.

**Ordering Examples:** Desiccant included with all models

1.) PXM79U7-150mBARGI-30M is a 150 mbar gauge pressure transmitter with 4-20 mA output and 30 m vented cable, \$825 + (15 x 6.50) = \$922.50.

2.) PXM79U7-200mBARGI is a 200 mbar gauge pressure transmitter with 4-20 mA output and the standard 15 m of vented cable, \$825.