



Model PTX1240 Submersible Pressure Transmitter

DESCRIPTION & OPERATION

The PTX1240-8629 submersible pressure transmitter is designed to provide the convenience of direct submergence in many types of liquid for quick, accurate, and reliable level measurement. The simple design and rugged 316 stainless steel construction provides long lasting service with long-term stability and virtually no maintenance. The integral 2-wire, 4-20 mA electronics provide power supply regulation, reverse polarity, overvoltage and ElectroMagnetic Compatibility (EMC) protection. The rugged Tefzel® cable is resistant to almost any chemical compatible with the 316 SS housing. Applications for the PTX1240 include measuring the liquid level in tanks, ponds, rivers, water wells, and flood

channels. When installed with a suitable barrier, the pressure sensor is intrinsically safe for most hazardous environments and is suitable for use in fuels such as gasoline and kerosene.

The PTX1240 submersible pressure transmitter indicates the level of liquid by continuously measuring hydrostatic pressure via its semiconductor sensing element and converting it to a 4-20 mA, DC output signal. The transmitter is vented to the atmosphere through the surface end of the cable. Installation is easy... Simply lower the transmitter to the bottom of the liquid to be measured.

SPECIFICATIONS

Range: 5, 10, 15, 30, 50 psi gauge.

Accuracy: ±.25% FS, combined non linearity, hysteresis & repeatability

Temperature Range:
Compensated -4°F to 176°F
Operating -40°F to 185°F

Input: 9 to 30 Vdc

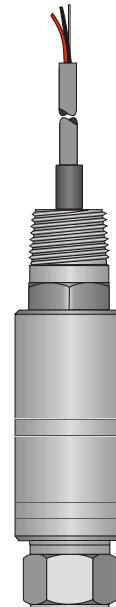
Output: 4 to 20 mA, 2 wire

Overpressure: 4x range

Pressure connection:
¼ inch NPT female.

Electrical connection:
½ inch NPT male conduit with 3 ft. Tefzel® cable, standard. Additional cable charged "per foot". Cable is designed to meet NEMA4 without the use of conduit.

Construction Materials:
Housing 316 stainless steel. Wetted parts: 316 stainless steel, Hastelloy C276, and Tefzel®.



Agency Certification:

UL Intrinsically Safe for Class I, Div 1, Groups A, B, C, and D, and Class II, Groups E, F, and G when installed with an appropriate barrier system.

Warranty: 1 year

Electronic Sensors, Inc.

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Level Devil®
Bulk Inventory Management Solutions

PTX1240 Submersible Pressure Transmitter

ORDERING INFORMATION

PTX1240-8629-xx-yyy

Total Cable Length (nearest foot)

Pressure Range 05, 10, 15, 30, 50 (PSI)

Due to the custom length, this item is not returnable.

Compatibility:

The PTX1240-8629 pressure transmitter can be used with the following controllers and data modules available from Electronic Sensors, Inc.:

9023A Tank Teller //	9023A-102P data module required
9032A Reporter //	9023A-102P data module required
9035 (B, D, F or H)	(Appropriate data module included)
9075A Informer	(No data module required)

Intrinsically Safe Barrier

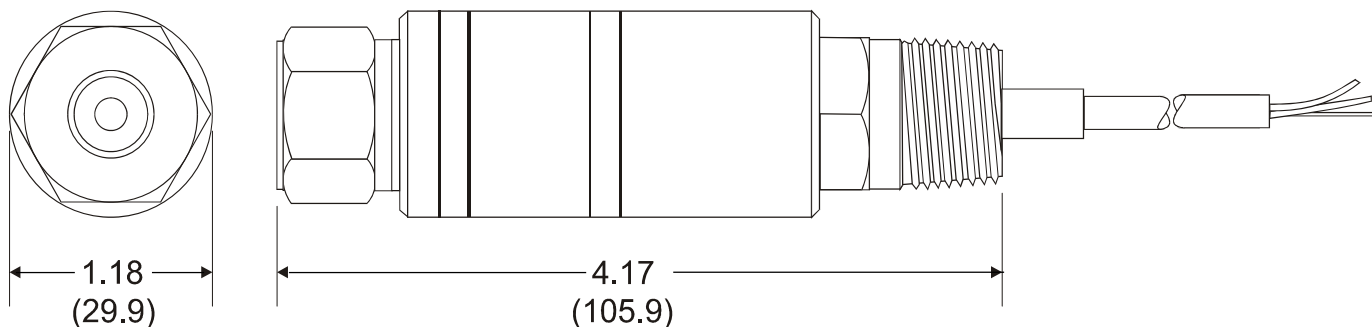
The following single channel barrier is recommended for use with the PTX1240-8629:

9001/01-280-075-10

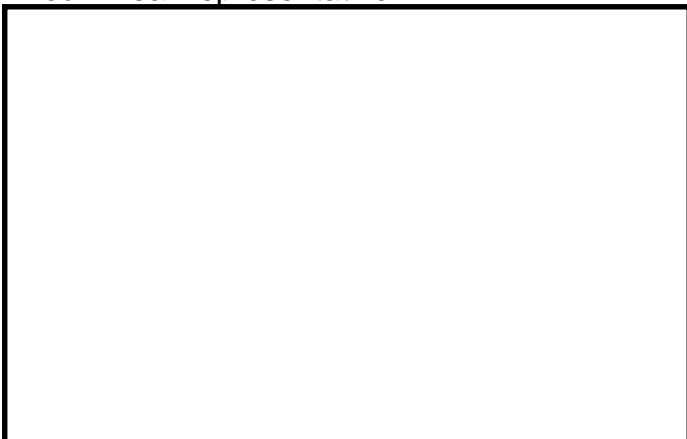
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

OUTLINE DRAWING

Dimensions in inches/(mm)



Your Area Representative:



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