



**Standard features:**

- High Input to Output Isolation (800 VAC Test)
- Small Size - Fits Standard Explosion Proof Housing
- Industry Standard 4-20 mA Output
- Input Impedance > 10<sup>12</sup> Ohms
- Temperature Compensated by Thermistor
- Wide Operating Range (12 to 60 VDC)
- High Noise Rejection
- CSA and NRTL Approved (LR 51078)

**Function:**

The TWI-PH1 is an isolated two wire pH transmitter in a small, easy to install package. It has easily accessible screw terminals and is built in a rugged housing. A standard BNC connector allows direct plug-in of the pH probe.

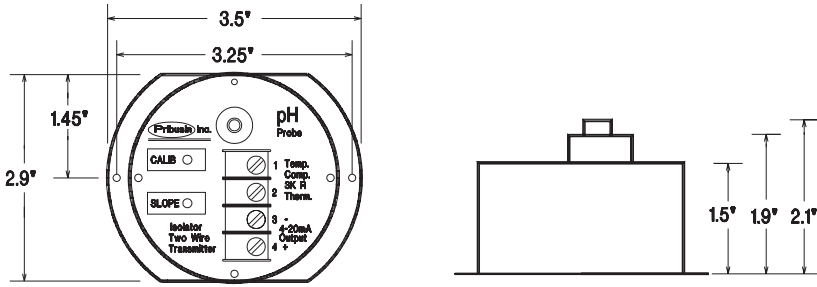
The TWI-PH1 consists of a pH signal conditioner complete with temperature compensation and an isolator. The temperature compensation is accomplished by means of a 3 KOhm thermistor. The isolated output prevents interaction between output signals if more than one pH transmitter is used in a system.

**Specifications:**

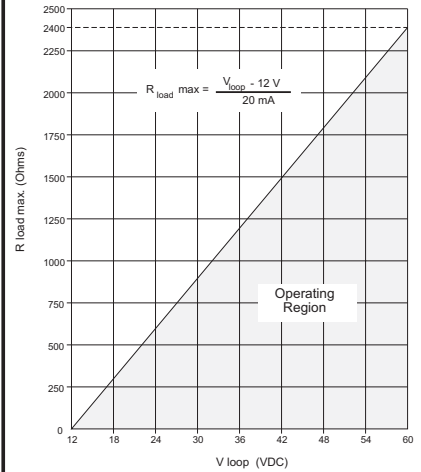
- Range: 0-14 pH
- Output: 4-20 mA
- Isolation: 800 VAC Test
- Operating Power: 12 to 60 VDC
- Accuracy: +/- 0.01 pH
- Temperature Compensation: 3 K Ohm thermistor (in pH probe)
- Connector: BNC (for pH probe)
- Operating Temperature: -20 Deg. C. to + 40 Deg. C.

# TWI-PH1

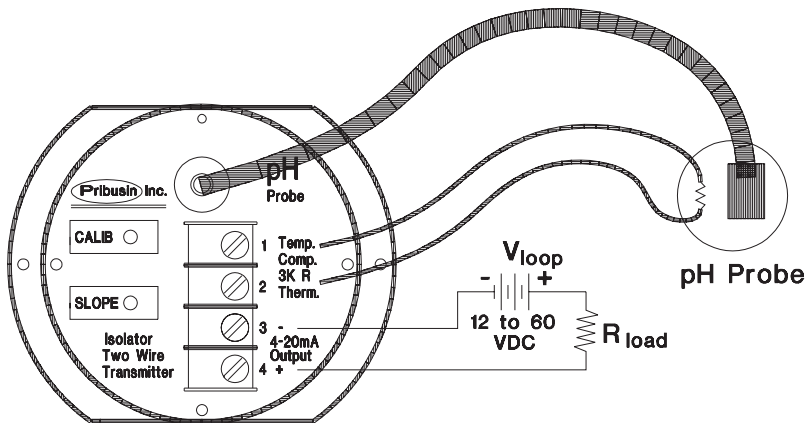
## Dimensions:



## Loop Characteristics:



## Connection:



## Manufactured By:



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