

Features

- Direct connection to HazardPRO node
- Fixed cable with M12 connector included
- 2-wire (current loop type)
- 3/8"-16 threaded stud for mounting
- Optional brass block magnet mount adapter
- Optional stainless steel jacketed cable



Polyurethane Cable



Stainless Steel Jacket Over Polyurethane Cable

Description

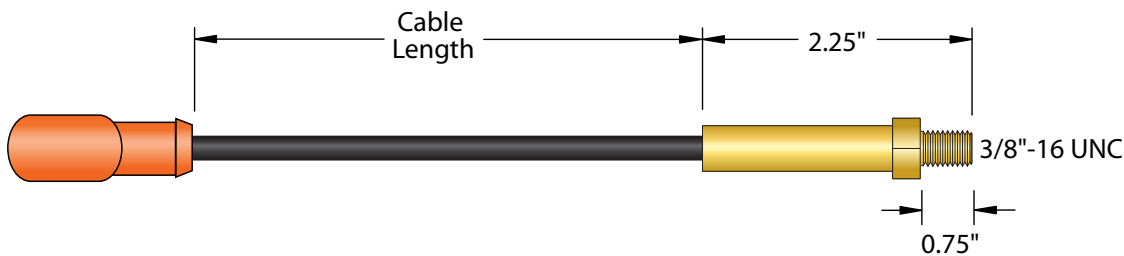
HazardPRO stud-mount temperature sensors connect directly to the HazardPRO transmitter node as an integral part of the hazard monitoring system. The user installs the sensor and connects it to the node, no user calibration is required.

Application

The stud-mount temperature sensor is often used with the optional magnet-mounted brass block to measure surface temperature on gear boxes and other equipment surfaces where no holes can be drilled.

Dimensions

▼ Standard Polyurethane Cable



▼ Optional Stainless Steel Jacketed Cable



*For sensors with a Poly cable there needs to be 2 bronze washers ordered with the sensor and 1 bronze washer for armored cable sensors.

Optional brass block magnet mount adapter



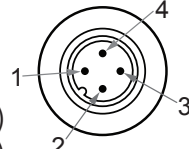
Front



Back

HazardPRO Stud-Mount Temperature Sensor

| Specifications | |
|-------------------------------------------|---------------------------------------------------------------------------------------------------|
| V = | 5 - 30 VDC |
| I = | $273.15 \mu\text{A} + \left(\frac{1 \mu\text{A}}{^{\circ}\text{C}}\right) * T (^{\circ}\text{C})$ |
| Operating Temperature (Measurement Probe) | -40 °C → +120 °C (-40 °F → +248 °F) |
| Operating Temperature (Ambient) | -25 °C → +75 °C (-13 °F → +167 °F) |
| Accuracy | ±1 °C (at 25 °C) ±3 °C (at -40 °C, 120 °C) |
| Cable Material | Standard: Polyurethane Optional: Stainless Steel Jacketed Polyurethane |
| Cable Connector | M12, 4-pin pin 2 (+) pin 4 (-) pin 1 (N.C.) pin 3 (N.C.) N.C. = not connected |



| I.S. Entity Parameters | |
|------------------------|--------|
| Ui | 21 V |
| Ii | 21 mA |
| Pi | 0.11 W |
| Ci | 0 μF |
| Li | 0 μH |



Class II, Div 1, Groups E, F, G, Class III, Div 1
Zone 20, AEx ia IIIC T100 °C Da T5
-25 °C ≤ Ta ≤ 75 °C Type 4X, IP65
Install per user's manual (990-006600)
and control drawing (990-006700)

Specifications subject to change without notice.

Ordering

| Cables | Part Number |
|-------------------------------------------------|-------------|
| Polyurethane Jacket (3 Meter) | 775-007124 |
| Stainless Steel Jacketed Polyurethane (3 Meter) | 775-007125 |

| Extension Cables | Part Number |
|--------------------------------------------------|-------------|
| Polyurethane Jacket (2 Meter) | 775-007140 |
| Polyurethane Jacket (5 Meter) | 775-007142 |
| Polyurethane Jacket (10 Meter) | 775-007144 |
| Stainless Steel Jacketed Polyurethane (2 Meter) | 775-007141 |
| Stainless Steel Jacketed Polyurethane (5 Meter) | 775-007143 |
| Stainless Steel Jacketed Polyurethane (10 Meter) | 775-007145 |

Additional Information

For more information about HazardPRO bearing temperature sensors, please contact Electro-Sensors.

Accessories

| Option | Part Number |
|------------------------------------|-------------|
| Magnet Mount Adapter, Brass | 776-001400 |
| Standard Electro-Sensors Rub Block | 800-002800 |
| Bronze Spacing Washer | 365-004900 |
| Lug Adapter | 776-001300 |



Stud Sensors can be magnetically mounted to most metal surfaces.



HazardPRO Stud Sensors are compatible with standard Electro-Sensors Rub Blocks.



Threaded Lug Adapter for HazardPRO stud sensors.