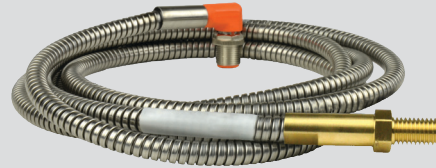## Features

- 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
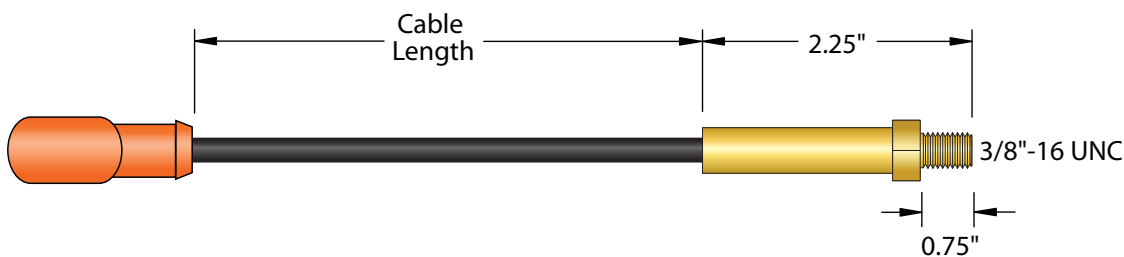
Cable Length

2.25"

3/8"-16 UNC

0.75"

Optional brass block magnet mount adapter

Front

▼ Optional Stainless Steel Jacketed Cable

Back

HazardPRO Stud-Mount Temperature Sensor

Specifications	
V =	5 - 30 VDC
I =	$273.15 \ \mu A + \left(\dfrac{1 \ \mu A}{°C} \right) * T \ (°C)$
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
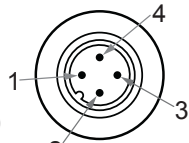
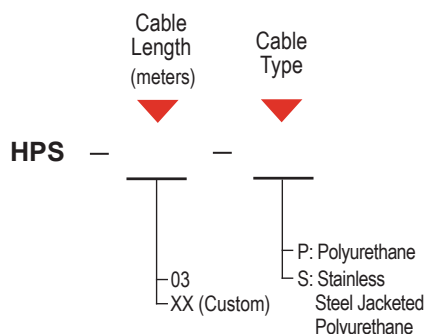| I.S. Entity Parameters	
Ui	21 V
Ii	21 mA
Pi	0.11 W
Ci	0 μF
Li	0 μH

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

Build a model by selecting the required component from each category.

Cable Length (meters)
Cable Type

HPS — _ — _

03
XX (Custom)

P: Polyurethane
S: Stainless Steel Jacketed Polyurethane

Accessories

Option	Part Number
Magnet Mount Adapter, Brass	776-001400

Magnet Mount Adapter, Brass

Customization

If one of standard products does not meet your specifications, please do not hesitate to call one of our applications specialists. Many of our products can be customized to fit specific needs.

Additional Information

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