Features

- Direct connection to HazardPRO node

- Fixed cable with M12 connector included

- 2-wire (current loop type)

- Installs on machine surfaces

- Optional stainless steel jacketed cable

Polyurethane Cable

Stainless Steel Jacket Over Polyurethane Cable
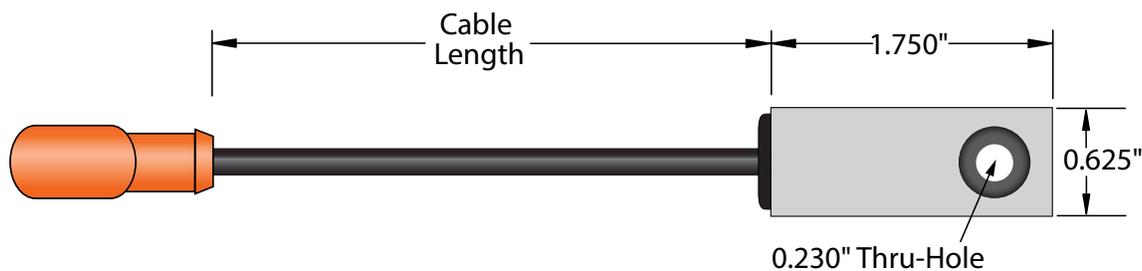
Cable-Free Option

Description

HazardPRO ambient 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.
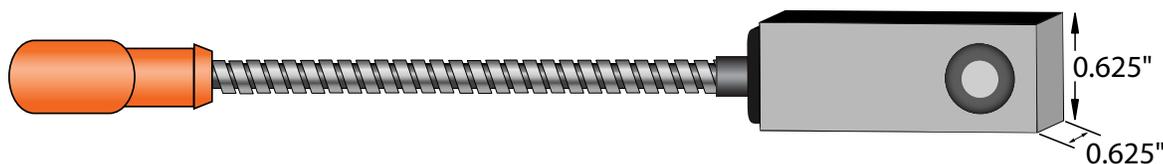
Application

The ambient temperature sensor is used to measure the local surface temperature on each side of a machine. The temperature of the bearing and belt alignment blocks are compared to this local ambient temperature to determine if the machine is operating properly.
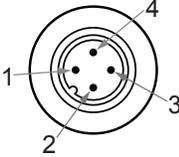
Dimensions

▼ Standard Polyurethane Cable

Cable Length

1.750"

0.625"

0.230" Thru-Hole

▼ Optional Stainless Steel Jacketed Cable

0.625"

0.625"

HazardPRO Ambient Temperature Sensor

Specifications	
V =	5 - 30 VDC
I =	$273.15\ \mu A + \left(\dfrac{1\ \mu A}{^\circ C}\right) * T\ (^\circ C)$
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)
Sensor Body Material	Aluminum
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)	775-007080
Stainless Steel Jacketed Polyurethane (3 Meter)	775-007081
Ambient Sensor No Cable	775-007082

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

Accessories

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 ambient temperature sensors, please contact Electro-Sensors.