

High Temperature Platinum Sensors



**I/100-HT
I/1000-HT**



Product Description

The I/100-HT and I/1000-HT Series temperature sensors incorporate a Class B, thin film platinum RTD sensor, which conforms to DIN-IEC-751 platinum RTD standards.

One of the most important features of the I/100-HT and I/1000-HT is that they are air encapsulated. This allows the sensor to have a much more stable output since the sensing element isn't subjected to the constant expansion and contraction of the encapsulation materials. The sensors are mounted in a 1/4" diameter stainless steel probe and have 24" Nickel Plated Fiberglass leads. Only Remote Probe configurations come with 8' Nickel Plated Fiberglass leads. These sensors are compatible with all liquids and materials that

are compatible with 316 Stainless Steel materials.

The I/100-HT and I/1000-HT sensors are available in either two or three-wire configurations incorporating high accuracy and interchangeability, over a wide temperature range.

Some of the typical applications are for Stacks, Boilers, Oil Baths, Process Controls, Commercial Ovens, Plastics Processing, Bearings, Incubators, and Truck or Vehicle Engines.

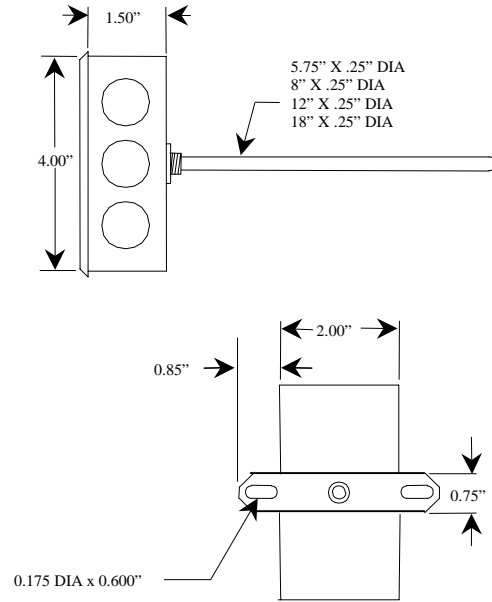
These units are offered in Duct, Duct without box, Immersion, and Remote Probe configurations.

Product Specifications

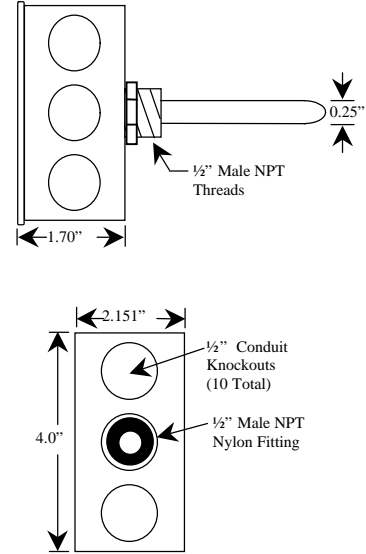
Output	100 Ohms @ 32°F (0°C) 1000 Ohms @ 32°F (0°C)	Resistance Characteristics	+/- 0.12% Class B (standard)
Temp. Coefficient	0.00385 Ohm/Ohm/°C	Repeatability	+/- 0.1°C
Temperature Span	-40 to 842°F (-40 to 450°C)	Stability	less than +/- 0.1°C drift
Accuracy	+/- 0.3°C @ 0°C single point	Standardization	DIN-IEC-751 (formerly DIN 43760)

Dimensions

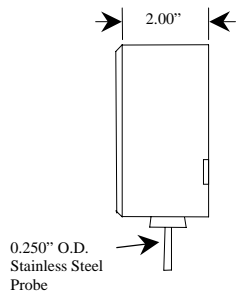
DUCT



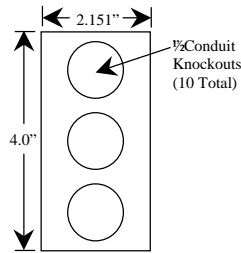
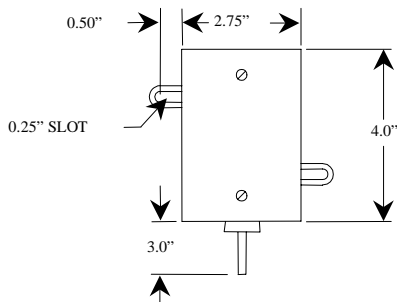
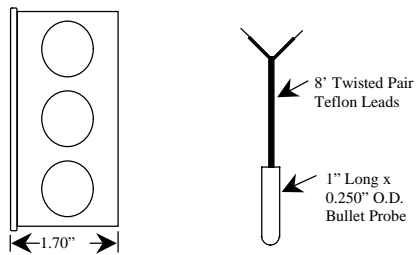
IMMERSION



OUTSIDE



REMOTE PROBE



Ordering Information

Sensor
I/ []
↑
100HT
1KHT

Wires
-[]
↑
2W (2-Wire)
3W (3-Wire)

Configuration
-[]
↑
D - Duct 4", 8", 12", 18"
DO - Duct without box 4",8",12",18"
I - Immersion 4", 8"
RP - Remote Probe (8' Leads)

Example: I/100HT -2W -I -4" or I/1KHT -3W -RP