



## 3000 | SERIES

### TEMPERATURE SENSOR PROBES

#### Introduction

Ideal solution for monitoring and regulating temperature in equipment and processes. It offers the choice of thermistor or RTD temperature sensing technology. Since no single technology is optimal for every application, the 3000 series offers several thermal sensing options, each of which offers unique advantages.

The 3000 series offers the advantage of today's best temperature sensing technology in standard, low-cost probe assemblies that ensure the technology performs accurately and reliably in demanding applications. Whether surface, liquid, or ambient air sensing is required, the 3000 series is an optimal probe assembly. Flexible leads suitable for welding or soldering provide reliable connections and greater access to remote locations.



#### Features

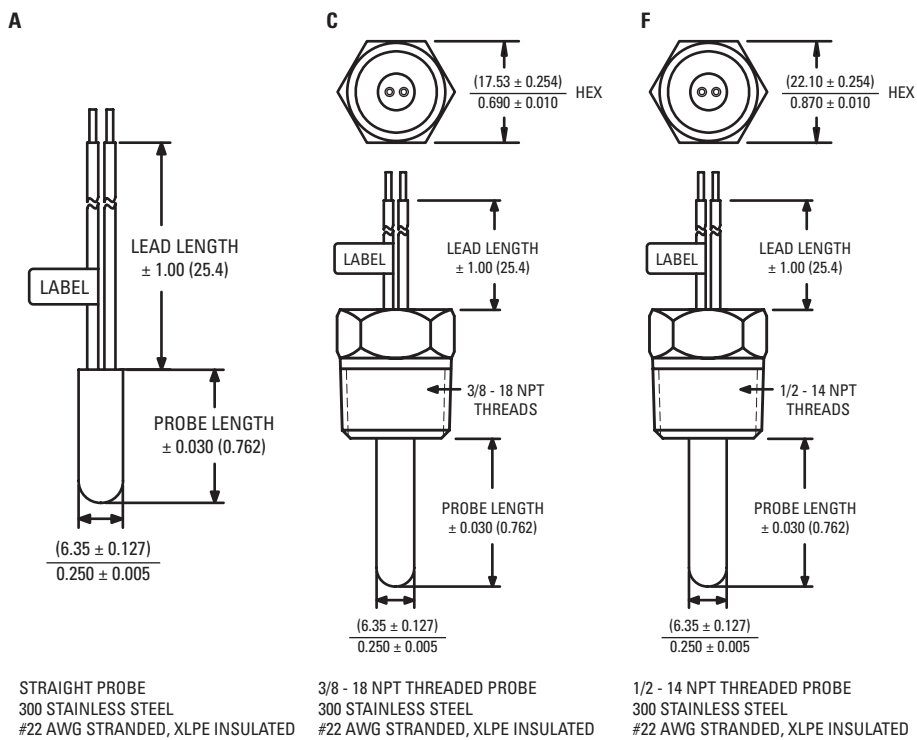
- Stainless steel probe assemblies
- Thermistor, or RTD sensing technologies
- Ideal for immersion, surface and air sensing

#### Applications

- Surface, liquid, or air temperature sensing
- Control systems

# ACCESSORIES AND OPTIONS

## Body Style



## SENSOR SELECTION

Code	Type	Input	Output	Output Change W/ Temperature	Sense Element Tolerance	Temperature Range
10	RTD	1 mA	100Ω at 0°C	0.385Ω per °C	±0.15°C at 0°C	-40°C to 125°C
31	THERMISTOR	0.4 mA	10,000Ω at 25°C	NON-LINEAR (NTC)	±0.6°C at 25°C	-40°C to 125°C

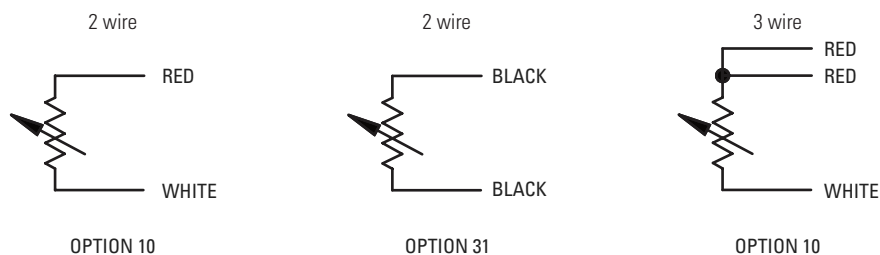
Notes:

- Consult Sensata for other less standard temperature sensing options

## NUMBER OF WIRES

CODE	SENSOR WIRING
2	Wires for sensor codes 10, 31
3	Wires for sensor codes 10

## WIRE COLOR SCHEMATIC





## ORDERING OPTIONS

(Example : 3A0310206A)

\*Consult Sensata for other less standard temperature sensing options

3A = 3000 series, straight probe, 03 = 1.5" length, 10 = RTD, 2 = 2 wire, 06 = 6" leads, A = cut & stripped

	<b>3</b>	<b>A</b>	<b>03</b>	<b>10</b>	<b>2</b>	<b>06</b>	<b>A</b>
<b>Family</b>							
3000 Series							
<b>Body Style</b>							
A, C, F							
See Body Style Table							
<b>Probe Length</b>							
XX = Sheath length in half inches (1.0" length minimum, XX = 02)							
<b>Sensor Selection</b>							
<b>10, 31</b>							
See Sensor Selection Table							
<b>Number of Wires</b>							
See Number of Wire Table							
<b>Lead Length</b>							
XX = Lead Length in inches (6" length minimum, XX = 06)							
<b>Lead Termination</b>							
A - Cut & Stripped Z - Consult Factory							



## WARNINGS



### RISK OF MATERIAL DAMAGE AND HOT ENCLOSURE

- The product's side panels may be hot, allow the product to cool before touching
- Follow proper mounting instructions including torque values
- Do not allow liquids or foreign objects to enter this product

**Failure to follow these instructions can result in serious injury, or equipment damage.**

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