



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

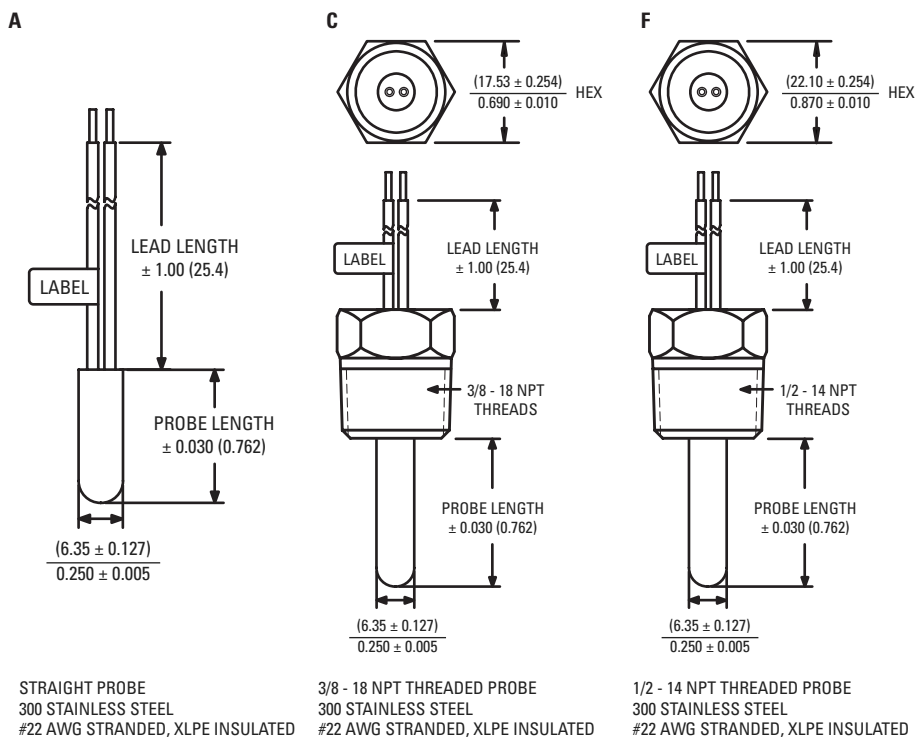
- Stainless steel probe assemblies
- Thermistor, or RTD sensing technologies
- Ideal for immersion, surface and air sensing

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

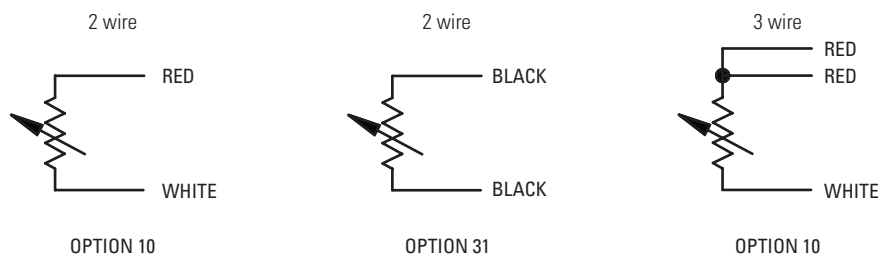
Notes:

- 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

	3	A	03	10	2	06	A
Family							
3000 Series							
Body Style							
A, C, F							
See Body Style Table							
Probe Length							
XX = Sheath length in half inches (1.0" length minimum, XX = 02)							
Sensor Selection							
10, 31							
See Sensor Selection Table							
Number of Wires							
See Number of Wire Table							
Lead Length							
XX = Lead Length in inches (6" length minimum, XX = 06)							
Lead Termination							
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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