



Custom Temperature Sensor

Your Name: _____
 Preferred Contact Method: _____
 Quantity Needed: _____
 Intended Use: _____
 Time Frame (desired lead time): _____

Type:	<u>Thermocouple</u>	<u>RTD</u>	<u>Thermistor</u>
	J S	Wires: 2 3 4	10K ohm curve _____
	K B	Curve: 385 392	2252 ohm curve _____
	T C	100 ohm	other _____
	E N	1000 ohm	
	R	120 ohm nickel	
		10 ohm copper	
		other _____	

Junction: Grounded Ungrounded Exposed Exposed-Guarded/Shroud

Element: Single Dual

Sheath:	<u>Diameter</u>	<u>Material</u>
length _____	1/16" (.063)	304
	1/8" (.125)	316 ss
Min temp _____	3/16" (.188)	600 inconel
	1/4" (.250)	other _____
Max temp _____	3/8" (.375)	
	1/2" (.500)	
	special: _____	

Lead	<u>Material</u>	<u>Protection</u>
	Teflon (FEP - extruded) - max temp 400 F	Stainless Steel Braid
	Teflon (TFE - Tape wrap) max temp 500 F	Armor Cable
	Fiberglass - 900 F	PVC Coated Armor Cable
	PVC - max temp - 200 F	Teflon Coated Armor Cable
	Special material required: _____	

Termination:

Split _____ inches	Stripped _____ inches		
Plug mini	standard		
Jack mini	standard		
Terminal Head	Aluminum	Stainless-Steel	Polypropylene
other _____			

Ambient temperature at termination _____

Max ambient wire temp (lead wire indoors, outdoors, near hot surface etc)? _____

Transmitter: Isolated Non-Isolated

Output: 4-20mA 0-5v 0-10v other_____

Process Connection:

None

Compression Fitting: Stainless-Steel Brass ____NPT size

½ Weld Nipple

½ Spring Loaded Nipple

Spring Loaded Nipple with oil seal ¾ ½

Sheath Length Below Fitting_____

Thermowell:

Material_____

Immersion Sleeve: Stepped Straight Tapered

Process Thread/Flange Size_____

Immersion Length(below thread)_____

Overall Length_____

Area Classification: Hazardous Non-Hazardous
Class_____ Division_____ Group_____

NIST Calibration Required: Yes No

Calibration Temperature Points Needed: _____