



FEATURES:

- Customer specification or made from stock materials
- Virtually unlimited options
- Available in Point Matched or Interchangeable tolerances.

Assembly Series probes are designed to meet your specific application requirements. Custom probe designs have virtually unlimited options available. Their value-added features significantly reduce your labor costs. Contact our applications engineering personnel for assistance in designing a probe from standard components listed on the following page or your options of choosing a multitude of other materials.

SPECIFICATIONS

Temperature rating/ recommended operating ranges

Assembly Series thermistor probes may be intermittently cycled at temperatures from -50°C to 150°C . Optimum stability is achieved when they are stored at temperatures less than 50°C and operated continuously in temperatures less than 100°C . For Interchangeable Assembly thermistor probes, optimum stability is achieved when they are operated at temperatures within the specified temperature range.

R/T curves

Assembly Series thermistor probes are available in all R/T curve materials. Detailed curve material information on pages 22-24.

Tolerances

- $\pm 0.10^{\circ}\text{C}$
- $\pm 0.20^{\circ}\text{C}$
- $\pm 0.25^{\circ}\text{C}$
- $\pm 0.50^{\circ}\text{C}$
- $\pm 1.00^{\circ}\text{C}$
- $\pm 1\%$
- $\pm 2\%$
- $\pm 3\%$
- $\pm 5\%$
- $\pm 10\%$

Ordering Map

1 0 3 TA-□ - □□ □□□ - □□□□ - □□ - □□

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②

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Resistance value at 25°C
 $10 \times 10^3 \Omega$

Type
4:Epoxy
5:Terminal
6:Tube
B:Connector

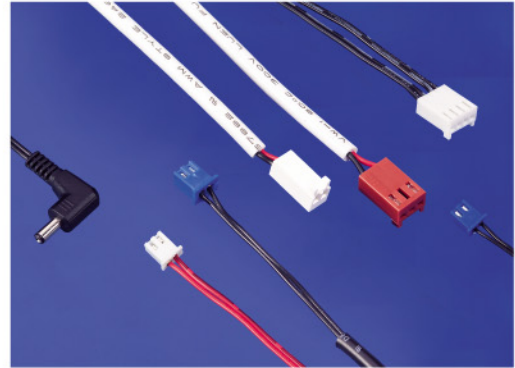
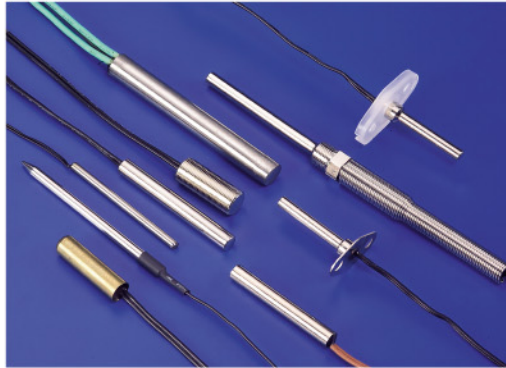
Lead gauge
AWG Number

Lengths
Exp:
400 : 400mm

B value
 $25^{\circ}\text{C}/85^{\circ}\text{C}$

Resistance tolerance
1P: $\pm 1\%$
3P: $\pm 3\%$
5P: $\pm 5\%$

Special Spec
Controlling NO.



Our Temperature Sensor Application field:

- Household Appliances

- Air Conditioners
- Coffee Maker
- Dryer
- Washing machine
- Refrigerator
- Toaster
- Heaters
- Electronic Kettle
- Cooker

- Other Consumer Electronics

- Battery Pack
- Pool and Spa Control
- Cooling Fan
- Wireless Card

- Medical Electronics

- Electronic Clinical Thermometer
- Internal temperature sensor
- Blood Analysis equipment
- Industrial Electronics
- Vending Machine
- HVAC Equipment

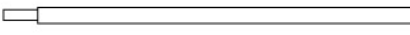
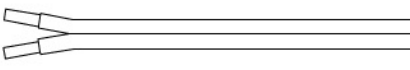
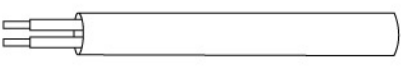

- Industrial process control

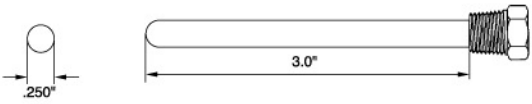
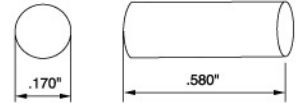
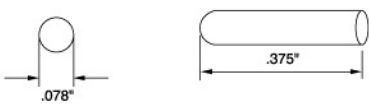


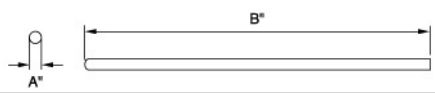
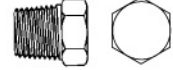
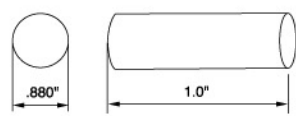
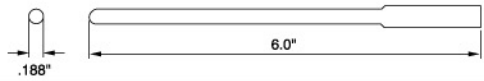
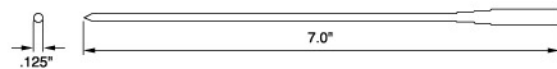
- Fire detectors
- Weather monitoring
- Oceanography monitoring
- Fruit transportation process control

- Automotive

- Water / Oil Tank Sensor
- Outside air temperature sensor

Standard Parts Reference:

Wires	Configuration	Gauge	Insulation
	Single Conductor	18-32	PVC, Etched Teflon
	Zipcord	22-30	PVC
	Jacketed	22-28	PVC
	Twisted	22-28	PVC, Etched Teflon

Housings	Type	Material
	1/8" NPT fitting round, close-end tube	316 Stainless Steel
	End-end cup	PVC
	Flat, closed-end cup	Delrin
	Ring lug terminal, #6	Steel, Copper
	Flag terminal, #6	Steel, Copper
	End-end cup	304 Stainless Steel A=.125" B=4" 316 Stainless Steel A=.250" B=3"
	1/8" NPT plug	Alumium
	Open-end tube	Aluminum, Brass, Stainless Steel
	End-end cup	304 Stainless Steel
	Tapered-end tube	304 Stainless Steel