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# Custom Thermistor Sensors

## Assembly Series



### 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  $-50^{\circ}\text{C}$  to  $150^{\circ}\text{C}$ . Optimum stability is achieved when they are stored at temperatures less than  $50^{\circ}\text{C}$  and operated continuously in temperatures less than  $100^{\circ}\text{C}$ . 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 24-26

### 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-□ - □□ □□□ - □□□□□ - □□ - □□

Resistance value at 25°C	Type	Lead gauge	Lengths	B value	Resistance tolerance	Special Spec
$10 \times 10^3 \Omega$	4:Epoxy 5:Terminal 6:Tube B:Connector	AWG Number	Exp: 400 : 400mm	$25^{\circ}\text{C}/85^{\circ}\text{C}$	1P: $\pm 1\%$ 3P: $\pm 3\%$ 5P: $\pm 5\%$	Controlling NO.