

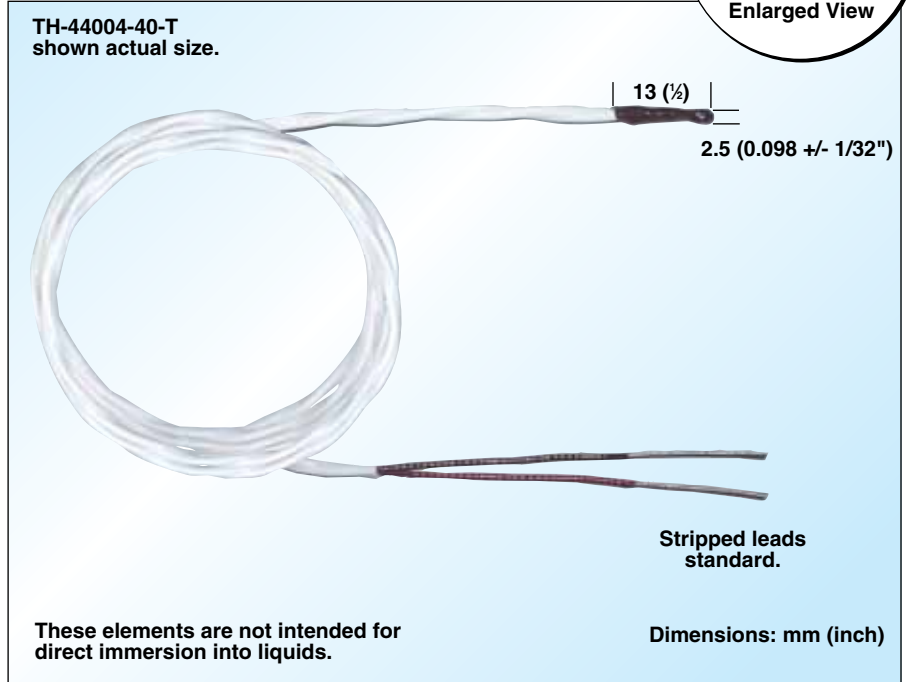
# Fast Response Thermistor Sensors

## Exposed Element with Lead Wires

### TH-44000 Series



- ✓ Fast Response (1 Second Max)
- ✓ Interchangeability of  $\pm 0.2^{\circ}\text{C}$  Standard ( $\pm 0.1^{\circ}\text{C}$  Optional)
- ✓ Operating Range of  $-80$  to  $120^{\circ}\text{C}$  ( $-110$  to  $250^{\circ}\text{F}$ ) Standard [ $-80$  to  $75^{\circ}\text{C}$  ( $-110$  to  $167^{\circ}\text{F}$ ) Optional]
- ✓ 1 m (40") of 26 AWG Stranded PFA Insulated and Jacketed Cable with Stripped Leads Standard
- ✓ Optional Phone Plug Connector



**To Order Visit [omega.com/th-44000](http://omega.com/th-44000) for Pricing and Details**

Model No.	Resistance @ 25°C (Ω)	Maximum Working Temp	Interchangeability @ 0 to 70°C	Storage and Working Temp for Best Stability
TH-44004-40-T	2252 Ω	150°C	±0.2°C	-80 to 120°C (-110 to 250°F)
TH-44005-40-T	3000 Ω	150°C	±0.2°C	-80 to 120°C (-110 to 250°F)
TH-44007-40-T	5000 Ω	150°C	±0.2°C	-80 to 120°C (-110 to 250°F)
TH-44006-40-T	10000 Ω	150°C	±0.2°C	-80 to 120°C (-110 to 250°F)
TH-44008-40-T	30000 Ω	150°C	±0.2°C	-80 to 120°C (-110 to 250°F)

**Notes:** For additional cable length, add required length to end of the model number for additional cost. For a phone plug, add suffix "-PP" to the model number for additional cost. For tighter interchangeability, substitute the thermistor part number from the table below.

### Optional Thermistors

Model No.	Resistance @ 25°C (Ω)	Maximum Working Temp	Interchangeability @ 0 to 70°C	Storage and Working Temp for Best Stability
44033	2252	75°C (167°F)	±0.1°C	-80 to 75°C (-110 to 167°F)
44030	3000	75°C (167°F)	±0.1°C	-80 to 75°C (-110 to 167°F)
44034	5000	75°C (167°F)	±0.1°C	-80 to 75°C (-110 to 167°F)
44031	10,000	75°C (167°F)	±0.1°C	-80 to 75°C (-110 to 167°F)
44032	30,000	75°C (167°F)	±0.1°C	-80 to 75°C (-110 to 167°F)

**Ordering Examples:** TH-44004-40-T-PP, thermistor sensor with a resistance of 2252 Ω at 25°C, interchangeability of ±0.2°C, 1 m (40") of PFA insulated and jacketed cable and a phone plug connector.

TH-44034-80-T-PP, thermistor sensor with a resistance of 5000 Ω at 25°C, interchangeability of ±0.1°C, 2 m (80") of PFA insulated and jacketed cable and a phone plug connector.