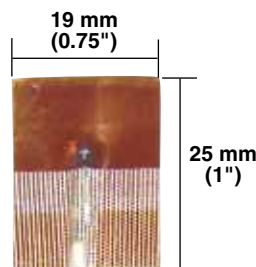


# Advanced Design Surface-Mount Thermistor Sensor

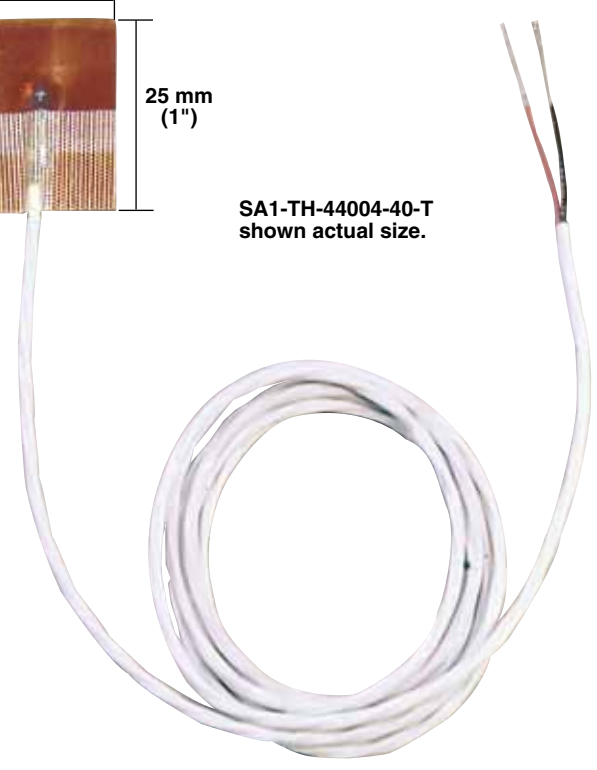
“Stick-On” or “Cement-On” to Target Device

## SA1-TH Series



SA1-TH-44004-40-T shown actual size.

- ✓ Available in 5 Standard Resistance Values
- ✓ Self-Adhesive Design Can be Easily Applied to Flat and Curved Surfaces
- ✓ Sensor Can be Removed and Re-Applied
- ✓ Interchangeability of  $\pm 0.2^\circ\text{C}$  Standard ( $\pm 0.1^\circ\text{C}$  Optional)
- ✓ Operating Range of  $-80$  to  $120^\circ\text{C}$  ( $-112$  to  $248^\circ\text{F}$ ) Standard [ $-80$  to  $75^\circ\text{C}$  ( $-112$  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				
Model Number	Resistance @ 25°C (Ω)	Maximum Working Temp	Interchangeability @ 0 to 70°C	Storage and Working Temp for Best Stability
SA1-TH-44004-40-T	2252	150°C	$\pm 0.2^\circ\text{C}$	-80 to 120°C (-110 to 250°F)
SA1-TH-44005-40-T	3000	150°C	$\pm 0.2^\circ\text{C}$	-80 to 120°C (-110 to 250°F)
SA1-TH-44007-40-T	5000	150°C	$\pm 0.2^\circ\text{C}$	-80 to 120°C (-110 to 250°F)
SA1-TH-44006-40-T	10000	150°C	$\pm 0.2^\circ\text{C}$	-80 to 120°C (-110 to 250°F)
SA1-TH-44008-40-T	30000	150°C	$\pm 0.2^\circ\text{C}$	-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 “-PP” to the model number for an additional cost. For tighter interchangeability, substitute the thermistor model number from the table below and add the cost adder to the sensor cost. Optional over braiding is available, add “-SB” to the end of the model number, per meter or foot, for an additional cost.

**Ordering Examples:** SA1-TH-44004-40-T-PP, surface mount thermistor sensor with a resistance of 2252 Ω at 25°C, interchangeability of  $\pm 0.2^\circ\text{C}$ , 1 m (40") of PFA insulated and jacketed cable and a phone plug connector. SA1-TH-44034-80-T-PP, surface mount thermistor sensor with a resistance of 5000 Ω at 25°C, interchangeability of  $\pm 0.1^\circ\text{C}$ , 2 m (80") of PFA insulated and jacketed cable and a phone plug connector.

### Optional Thermistors

Model Number	Resistance @ 25°C (Ω)	Maximum Working Temp	Interchangeability @ 0 to 70°C	Storage and Working Temp for Best Stability
44033	2252	75°C (165°F)	$\pm 0.1^\circ\text{C}$	-80 to 75°C (-110 to 165°F)
44030	3000	75°C (165°F)	$\pm 0.1^\circ\text{C}$	-80 to 75°C (-110 to 165°F)
44034	5000	75°C (165°F)	$\pm 0.1^\circ\text{C}$	-80 to 75°C (-110 to 165°F)
44031	10,000	75°C (165°F)	$\pm 0.1^\circ\text{C}$	-80 to 75°C (-110 to 165°F)
44032	30,000	75°C (165°F)	$\pm 0.1^\circ\text{C}$	-80 to 75°C (-110 to 165°F)