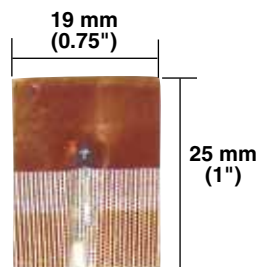


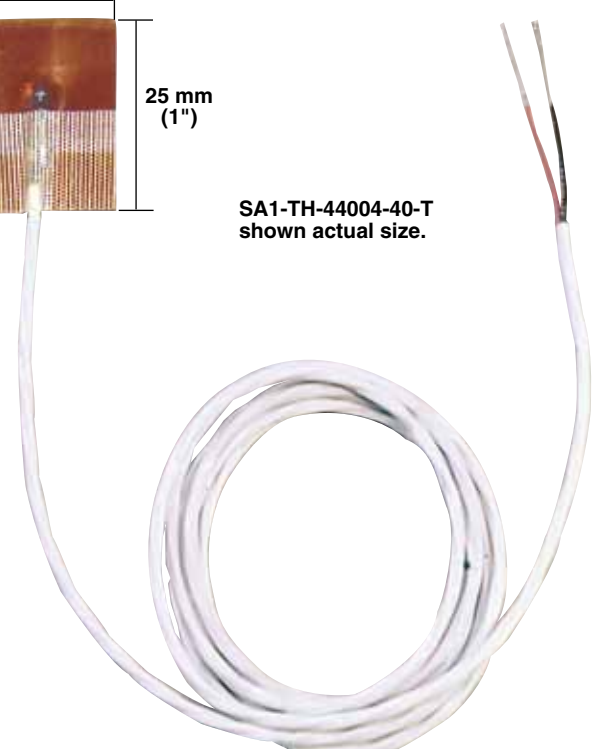
# Advanced Design Surface-Mount Thermistor Sensor

“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 @ $25^{\circ}\text{C}$ ( $\Omega$ )	Maximum Working Temp	Interchangeability @ $0$ to $70^{\circ}\text{C}$	Storage and Working Temp for Best Stability
SA1-TH-44004-40-T	2252	$150^{\circ}\text{C}$	$\pm 0.2^{\circ}\text{C}$	$-80$ to $120^{\circ}\text{C}$ ( $-110$ to $250^{\circ}\text{F}$ )
SA1-TH-44005-40-T	3000	$150^{\circ}\text{C}$	$\pm 0.2^{\circ}\text{C}$	$-80$ to $120^{\circ}\text{C}$ ( $-110$ to $250^{\circ}\text{F}$ )
SA1-TH-44007-40-T	5000	$150^{\circ}\text{C}$	$\pm 0.2^{\circ}\text{C}$	$-80$ to $120^{\circ}\text{C}$ ( $-110$ to $250^{\circ}\text{F}$ )
SA1-TH-44006-40-T	10000	$150^{\circ}\text{C}$	$\pm 0.2^{\circ}\text{C}$	$-80$ to $120^{\circ}\text{C}$ ( $-110$ to $250^{\circ}\text{F}$ )
SA1-TH-44008-40-T	30000	$150^{\circ}\text{C}$	$\pm 0.2^{\circ}\text{C}$	$-80$ to $120^{\circ}\text{C}$ ( $-110$ to $250^{\circ}\text{F}$ )

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