

# Surface Temperature Connector/Sensor



## For Use with Most Handheld Thermometers

### STC-100 Series



PATENT PENDING



STC-100-K-SMP-M shown actual size.

**Connector Plugs Directly into Most Handheld Thermometers**  
**Available in K or E Thermocouple Types**  
**For Measurements Up to 218°C (425°F)**  
**Fast 250 msec Response Time**  
**Removable, Replaceable Sensor**

OMEGA's new surface temperature Connector offers a fast, easy way to measure surface temperatures. Just plug the STC100 into your handheld thermometer and you're ready to take readings. The small, compact connector body features an integral thermocouple sensor specifically designed for low temperature surface measurements and can be easily removed for cleaning or replacement if damaged. Models feature miniature male connection pins and are available in K or E calibrations.

### Specifications

- Thermocouple Types:** K, E
- Measurement Accuracy:**  $\pm 1^{\circ}\text{C}$  ( $\pm 1.8^{\circ}\text{F}$ )
- Max Temperature Usage:** 218°C (425°F)
- Mating Connector:** Miniature male (SMP)
- Dimensions:** 64 L x 25.4 mm D (2.5 x 1")
- Connector Body:** Anodized Aluminum
- Connector Sensor Head:** PTFE



**WARNING:** The STC-100 surface temperature Connector is designed for low temperature intermittent use. Proper hand and arm protection should always be used while operating this product above 66°C (150°F). Operating this connector outside the specifications listed on this page can damage your connector or meter and cause personal harm to the operator.

To Order (Specify Model Number)	
Model No.	Description
STC-100-(*)-SMP-M	Surface temperature connector, miniature male connector

Comes complete with operator's manual.  
 \* For Type K calibration insert "K", For Type E calibration insert "E".

### Accessories

Model No.	Description
HH26K	Economical Type K, thermometer, 1° resolution
HH66R	Dual input thermocouple thermometer with RS232, 0.1° resolution
HH-21A	Digital thermometer, J/K/T switchable
HH22A	J, K, T thermocouple thermometer with dual input, 0.1° resolution

**Ordering Examples:** STC-100-K-SMP-M, Type K surface temperature connector with miniature male connector.  
 STC-100-K-SMP-M, Type K surface temperature connector with miniature male connection and HH26K, Type K, °C or °F switchable thermometer.