

The "All-in-One" Surface Thermocouple Fiberglass-Insulated Thermocouple Wire Leads



See Section W

High or Low Temperatures!

Self-Adhesive or Cement-On!

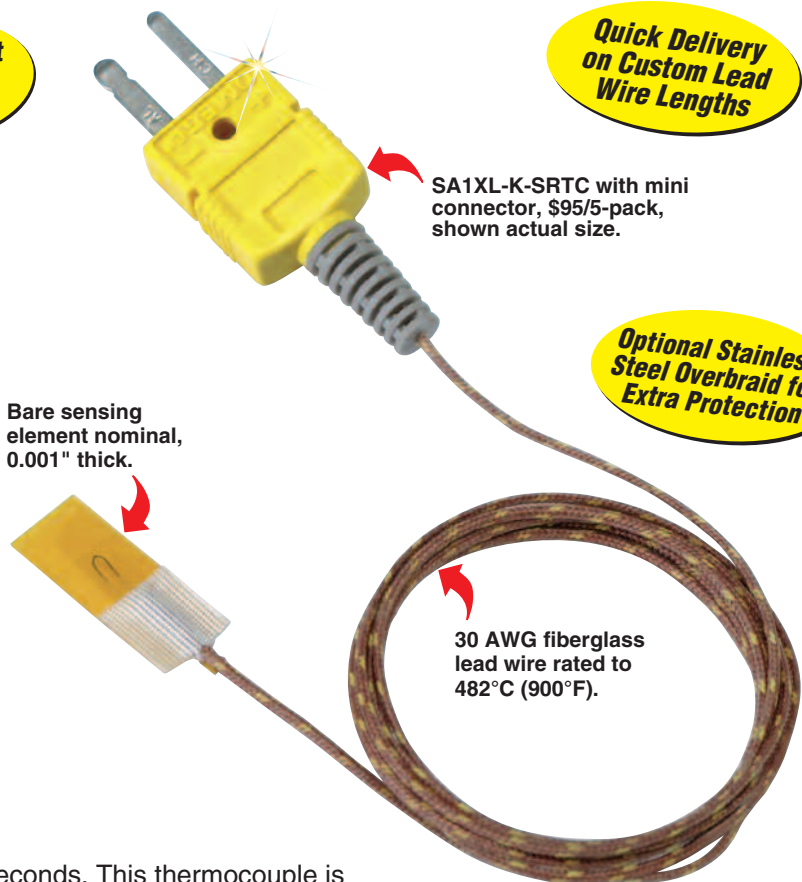
Super-Fast Response All the Time!

SA1XL
Starts at
\$80
5-Pack

**Convenient
Packages
of 5**

**Quick Delivery
on Custom Lead
Wire Lengths**

- ✓ Stocked in 1, 2, and 3 m (40, 80, and 120") Lengths
- ✓ Custom Lead Lengths Available
- ✓ Available in J, K, T, and E Calibrations
- ✓ Stripped Leads Standard (Molded Miniature Connector with Integral Strain Relief Optional)
- ✓ Easy-to-Install Silicone-Based, Self-Adhesive Backing [Rated to 260°C (500°F)]
- ✓ Sensor Rated to 315°C (600°F) When Used as a "Cement-On" (OMEGABOND® Air Set Cements Available—Place Sensor and Encapsulate with OMEGABOND® Air Set Cement)



SA1XL-K-SRTC with mini connector, \$95/5-pack, shown actual size.

Optional Stainless Steel Overbraid for Extra Protection

Bare sensing element nominal, 0.001" thick.

30 AWG fiberglass lead wire rated to 482°C (900°F).

OMEGA® introduces the next generation of our surface-mount fast-response thermocouples. The SA1XL thermocouple achieves response times of less than

0.15 seconds. This thermocouple is constructed using a Polyimide/fiberglass-junction insulation along with a fiberglass-insulated lead wire. The SA1XL can be used as a self-adhering thermocouple for temperatures up to 260°C (500°F) or it can be cemented in place for use at temperatures up to 315°C (600°F).

Specifications

Dimensions:

- Patch Length:** 25.4 mm (1.0")
- Patch Width:** 9.5 mm (0.375")
- Strip Length:** 25.4 mm (1.0") with 12.7 mm (0.5") bare wire

AVAILABLE FROM STOCK IN CONVENIENT 5-PACKS!

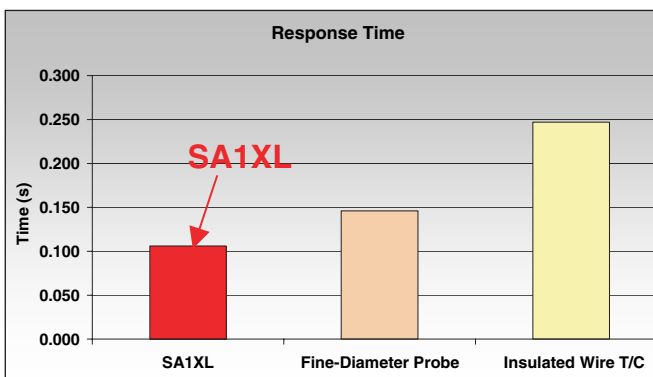




OMEGABOND®, starts at \$8, see accessory chart or page F-21 for additional information.



The self-adhesive mounting strip is ideal for “targeted” placement of the sensor element. Once the element is in place, it can be used “as is”, for applications such as electronic component temperature monitoring during board fabrication. It can also be cemented in place using OMEGABOND® for higher temperatures.



Tests show that the SA1XL temperature sensor is significantly faster than a typical insulated 30 AWG thermocouple or fine-diameter, metal-sheathed probe.

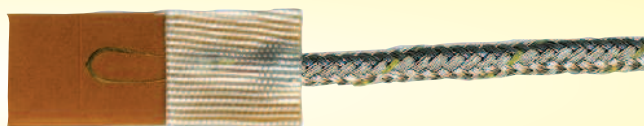
Accessories

Model No.	Price	Description
OB-100-16	\$50	OMEGABOND® 100 1 lb kit, fast-setting, 2-part epoxy (sets in 8 to 12 min.)
OB-200-16	60	OMEGABOND® 200 1 lb kit, high temperature, 2-part epoxy
OB-400	36	OMEGABOND® 400 powder, 8 fluid oz (one part cement; just mix with water)
OB-700	36	OMEGABOND® 700 powder, 8 fluid oz (one part cement; just mix with water)

Please see page F-21 for additional OMEGABOND® products.

Available with Stainless Steel Overbraid!

For applications requiring more durable lead wire, OMEGA's SA1XL surface thermocouples are available with Stainless Steel overbraid. Add suffix “-SB” to the model number and \$11 per foot (5-pack) for lengths greater than 3 m (120”).



Ordering Example: SA1XL-K-72-SB, \$100 + (3 x \$11) = \$133.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	SS Braid -SB Option**	Description
SA1XL-(*)	\$80	\$100	5-pack, self-adhesive thermocouple, 1 m (40"), stripped ends
SA1XL-(*)-72	100	133	5-pack, self-adhesive thermocouple, 2 m (80"), stripped ends
SA1XL-(*)-120	120	178	5-pack, self-adhesive thermocouple, 3 m (120"), stripped ends
SA1XL-(*)-SRTC	95	115	5-pack, self-adhesive thermocouple, 1 m (40"), molded SMP male
SA1XL-(*)-72-SRTC	115	148	5-pack, self-adhesive thermocouple, 2 m (80"), molded SMP male
SA1XL-(*)-120-SRTC	135	193	5-pack, self-adhesive thermocouple, 3 m (120"), molded SMP male

* Insert calibration K, J, T or E.

** Insert “-SB” for stainless steel overbraid.

Ordering Examples: SA1XL-K-72-SRTC, 5-pack Type K, super-fast, self-adhesive thermocouple, 2 m (80") fiberglass-insulated leads, with a molded-on miniature connector with strain relief, and OB-400 high-temperature air set cement, 8 fluid oz, \$115 + 36 = \$151.

SA1XL-K-72-SRTC-SB, 5-pack Type K, self-adhesive thermocouple, 2 m (80"), with SS overbraid, \$148.



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• Temperature

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters