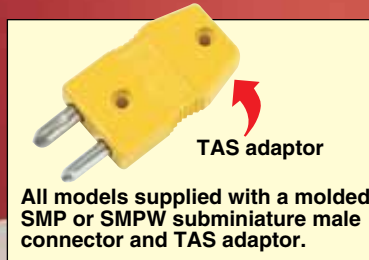


# Unique Surface/Insertion Probes

## 88000 Series



### Model No. 88008(\*)

Micro-sensor probe, designed for precise measurements of small surface areas, such as transistors and integrated circuits. Small contact surface area of 1.0 x 3.0 mm (0.040 x 0.118") for fast response. 400°C (750°F) max surface temperature.

*Note: element not replaceable.*

### Model No. 88014(\*)

Right angle version of the 88013. Fast-response spring-loaded compact tip probe, for measurements to 815°C (1500°F). Surface pad made from 400 series stainless steel. 4.75 mm dia. (0.187") surface area. Not designed for long-term exposure to high temperatures.

*Note: element not replaceable.*

### Model No. 88104(\*)

Right angle version of the 88008, with unique lateral spring design and small contact surface area. 400°C (750°F) max surface temperature.

*Note: element not replaceable.*

Visit [newportUS.com](http://newportUS.com) for dimensions.

All models shown smaller than actual size.

### Model No. 88013(\*)

Fast-response spring-loaded compact tip probe, for measurements to 815°C (1500°F). Surface pad made from 400 series stainless steel. 4.75 mm diameter. (0.187") surface area. Not designed for long-term exposure to high temperatures. *Note: element not replaceable.*

### Model No. 88307(\*)

Longer version of the 88306, with 300 mm (12") sheath.

*Note: element not replaceable.*

### Model No. 88305(\*)

Measure temperatures in moving air, with drilled sheath to protect the thermocouple, while exposing it to air flow. 0.5 to 20 second response time (depending on air velocity). 480°C (900°F) max service temperature.

*Note: element not replaceable.*

\* Specify Calibration K or E.

**Model No. 88306(\*)**

Pointed tip design, ideal for measuring soft and semi-frozen material, molten plastics and rubbers. 102 mm (4") sheath, with 6 to 20 seconds response time. 500°C (930°F) max service temperature.

*Note: element not replaceable.*

All models shown smaller than actual size.

Visit [newportUS.com](http://newportUS.com) for dimensions.

**Model No. 88308(\*)**

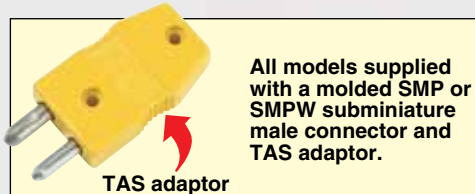
Specially designed fine hypodermic needle probe, least likely to disturb the surrounding insertion area. 6 to 20 second response time, 205°C (400°F) max service temperature.

*Note: element not replaceable.*

**Model No. 88301(\*)**

Suitable for measuring internal temperatures of semi-solid materials, such as rubbers, plastics, clay, etc., as well as for liquid measurements. Tapered stainless steel sheath with 480°C (900°F) maximum service temperature.

*Note: element not replaceable.*



TAS adaptor

All models supplied with a molded SMP or SMPW subminiature male connector and TAS adaptor.



Miniature connector.

**Model No. 88009(\*)**

Thin-body type probe designed to measure the surface of the bottom of narrow gaps or slits, like that of a plate heater. 260°C (500°F) max service temperature.

*Note: element not replaceable.*



\* Specify Calibration:  
K: CHROMEGA®-ALOMEGA®  
E: CHROMEGA-Constantan

**Ordering Example:** 88009E, style 88009 probe in Type E thermocouple.

All 88000 series probes are supplied with retractable cable [expands to 1.5 m (5')] and male subminiature connector.

\* Specify Calibration K or E.

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