

Unique Surface/Insertion Probes

ALL MODELS AVAILABLE FOR FAST DELIVERY!

Model No. 88202(*)

Model No. 88222(*)

Model No. 88013(*)

Model No. 88002(*)

Model No. 98227(*)

Model No. 88104(*)

Model No. 88007(*)

Model No. 88220(*)

Model No. 88010(*)

Model No. 88305(*)

Model No. 88103(*)

Model No. 88101(*)

Model No. 88106(*)

Model No. 88105(*)

Model No. 88011(*)

Model No. 88307(*)



ANSI color code shown	To order IEC color code see pg. A-9
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PATENTED

Covered by U.S and International Patents and pending applications

- ✓ Over 50 Styles Available
- ✓ Available in K and E Calibrations
- ✓ For Temperatures up to 760°C (1400°F)
- ✓ Can Be Used on Stationary, Moving or Rotating Surfaces
- ✓ Supplied with SMPW Male Connector and TAS Adaptor

Note: The 88000 series probes are designed as handheld units. Allowing the handle to reach temperatures above 165°C (325°F) can result in failure of the handle. Please contact the Sales Department if a probe requires a mechanical holding device or surface contact for extended periods of time.

* Specify calibration

K - Type K Thermocouple E - Type E Thermocouple

Ordering Example: 88007K probe with type K Thermocouple,

Unique Surface/ Insertion Probes Series 88000



The New Series 88000

Surface/Insertion probes feature a unique replaceable element design which provides fast, accurate temperature measurements for many specialized applications. Available in thermocouple calibrations K (CHROME[®]GA-ALOMEGA[®]) and E (CHROME[®]GA-Constantan), these probes are supplied with 300 mm (1') retractable cable and an SMPW subminiature male connector.

PATENTED

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ALL MODELS AVAILABLE FOR FAST DELIVERY!



New Swivel Head Design!

Many models of the 88000 Series are also available with a unique head design, allowing the measurement head to rotate 180° and swivel. This allows a single probe to be used where different head orientations and alignments are necessary. Probes with the swivel head are designated with 98000 Series model numbers, for easy ordering.

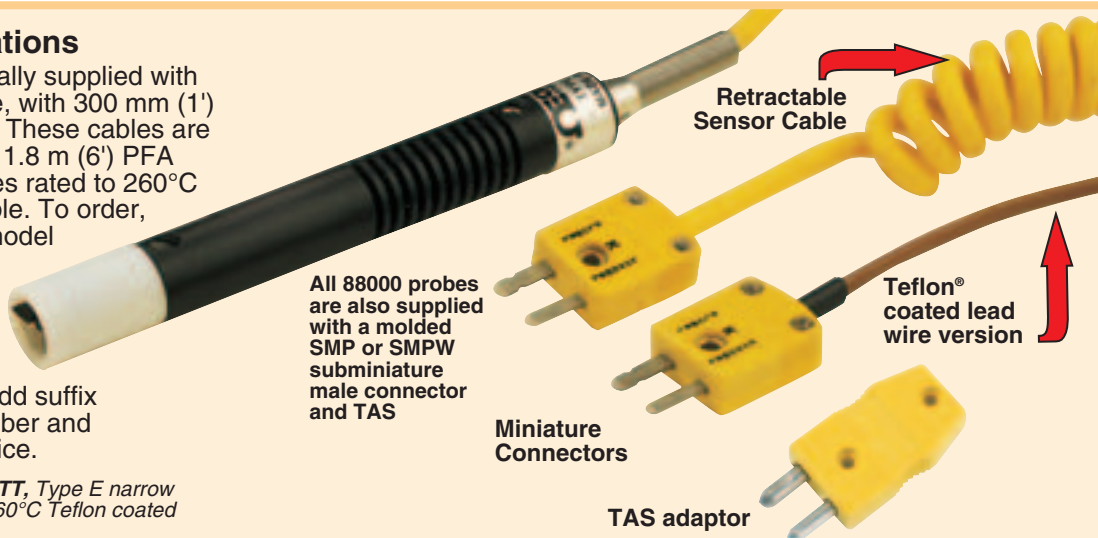
ANSI color code shown	To order IEC color code see pg. A-9
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Wires and Terminations

88000 probes are normally supplied with retractable sensor cable, with 300 mm (1') expanding to 1.5 m (5'). These cables are rated to 105°C (220°F). 1.8 m (6') PFA Teflon[®] coated lead wires rated to 260°C (500°F) are also available. To order, add suffix "-TT" to the model no. No additional cost. PFA lead wires may also be trimmed to 3.85 ohms, for use with many analog pyrometers. To order, add suffix "-TT-385" to model number and add to the probe price.

Ordering Example: 88103E-TT, Type E narrow head surface probe with 6', 260°C Teflon coated lead wires,



All 88000 probes are also supplied with a molded SMP or SMPW subminiature male connector and TAS

Miniature Connectors

TAS adaptor

Unique Surface Probes

ALL MODELS AVAILABLE FOR FAST DELIVERY!

Model No. 88011(*)

Designed to measure the surface of pipes with a $1\frac{3}{16}$ " diameter, with a max. surface temperature of 250°C (480°F). Probe is not designed for long-term exposure to high temperature.

Replaceable Element not supplied, Model No. 88011()-RE,*

Model No. 88105(*)

Similar to the 88102, with the sensing element running parallel to the handle. 250°C (480°F) max. surface temperature.

Replaceable Element supplied free, for additional elements order Model No. 88105()-RE,*

Model No. 88012(*)

Ideal for measurements of small surfaces. The probe has a $\frac{1}{4}$ " surface diameter, with a 480°C (900°F) max. surface temperature.

Note: Because of the compact size, micro-sensor elements are not replaceable. Patent applied for.

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To order
IEC color
code see
pg. A-9



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

TAS adaptor

SMPW Miniature Connector

Model No. 88102(*)

Right-angle, pencil-type surface probe, best suited to stationary surfaces. Sensing element is perpendicular to the handle 250°C (480°F) max. surface temperature.

Replaceable Element supplied free, for additional elements order Model No. 88102()-RE,*

See Following Pages
for Dimensions

* Specify Calibration:

K: CHROME[®]GA[®]-ALOMEGA[®]

E: CHROME[®]GA[®]-Constantan

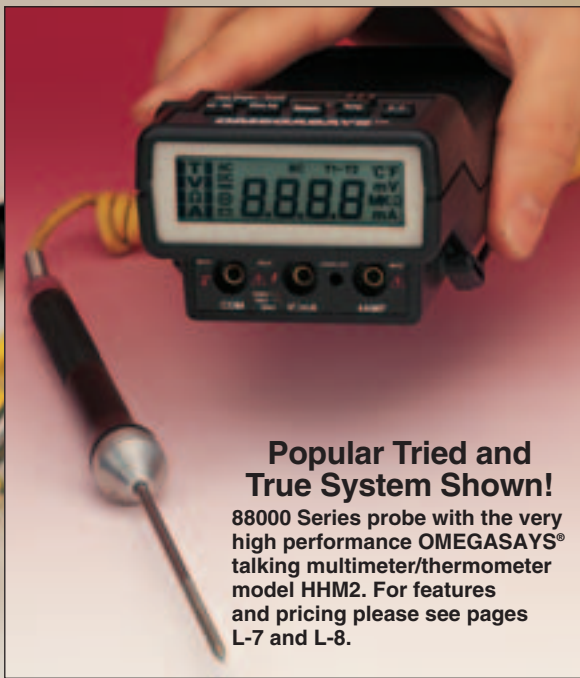
Model No. 88103(*)

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A narrow head, allowing the probe to fit through narrow openings. 480°C (900°F) max. surface temperature.

Replaceable Element supplied free, for additional elements order Model No. 88103()-RE,*



Popular Tried and True System Shown!

88000 Series probe with the very high performance OMEGASAYS® talking multimeter/thermometer model HHM2. For features and pricing please see pages L-7 and L-8.

Model No. 88101(*)

For measuring stationary surface temperatures, with a right-angle head for hard-to-reach inside surfaces. 480°C (900°F) max. surface temperature.

Replaceable Element supplied free, for additional elements order Model No. 88101()-RE*

ALL MODELS AVAILABLE FOR FAST DELIVERY!

Model No. 88003(*)

For surface measurements of materials such as stone, iron and steel. The element is protected by metal side guards. 480°C (900°F) max. surface temperature.

Replaceable Element supplied free, for additional elements order Model No. 88103()-RE.*

PATENTED

Covered by U.S and International patents and pending applications

Model No. 88002(*)

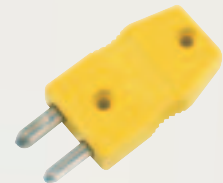
Ideal for measuring the surface temperature of plates, walls, molds, dies and other stationary surfaces. The thermocouple is protected by two Teflon® guards. 250°C (480°F) max. surface temperature. Probe is not designed for long-term exposure to high temperatures.

Replaceable Element supplied free, for additional elements order Model No. 88002()-RE.*

Model No. 88001(*)

Standard probe for stationary surface measurements. Suited to molds, plates, walls, glassware, etc. 480°C (900°F) max. surface temperature.

Replaceable Element supplied free, for additional elements order Model No. 88001()-RE.*



TAS adaptor

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

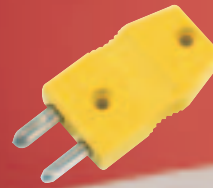
** Specify calibration: K - Type K Thermocouple
E - Type E Thermocouple
Ordering Example: 88007K probe with Type K Thermocouple,*

**K: CHROMEQA®-ALOMEGA®
E: CHROMEQA®-Constantan**

Unique Surface/ Insertion Probes 88000 Series

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To order
IEC color
code see
pg. A-9



Model No. 88008(*)

TAS adaptor

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

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.

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Covered by U.S and International patents and pending applications

Model No. 88104(*)

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.

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.

ALL MODELS AVAILABLE FOR FAST DELIVERY!

See Following
Pages for
Dimensions

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 dia. (0.187") surface area. Not designed for long-term exposure to high temperatures. *Note: element not replaceable.*

Miniature Connector

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

ANSI
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shownTo order
IEC color
code see
pg. A-9

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 sec. response time. 500°C (930°F) max service temperature.

Note: element not replaceable.

**ALL MODELS
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FAST DELIVERY!**

PATENTED

Covered by U.S and
International patents and
pending applications

See Following Pages
for Dimensions

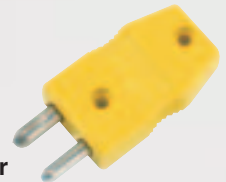
Model No. 88308(*)

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.

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

TAS adaptor



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) max service temperature.

Note: element not replaceable.

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.

Miniature Connector



Ordering Example: 88009E
is a 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: CHROMEQA®-ALOMEGA®
E: CHROMEQA-Constantan

* Specify Calibration K or E

ANSI color code shown To order IEC color code see pg. A-9



Unique Surface Probes

ALL MODELS AVAILABLE FOR FAST DELIVERY!

PATENTED

Covered by U.S and International patents and pending applications

Model No. 88106(*)

Right-angle probe for fast response times. Sheath length is 102 mm (4"). Max. surface temperature is 760°C (1400°F).

Replaceable Element not supplied, order Model No. 88106()-RE,*

Model No. 88107(*)

Right-angle, long reach probe with fast response design. Sheath length is 203 mm (8"), with 760°C (1400°F) max. surface temperature.

Replaceable Element not supplied, order Model No. 88107()-RE,*

TAS adaptor



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

*** Specify Calibration:**

K: CHROMEQA®-ALOMEGA®

E: CHROMEQA®-Constantan

Model No. 88108(*)

Right-angle, long 300 mm (12") reach probe with fast response design. 760°C (1400°F) max. surface temperature.

Replaceable Element not supplied, order Model No. 88108()-RE,*

Model No. 88010(*)

Long, 300 mm (12") reach version of the 88006. Fast response design with 760°C (1400°F) max. surface temperature for use in oven and furnaces.

Replaceable Element not supplied, order Model No. 88010()-RE,*



See Following Pages for Dimensions

Ordering Example:
88018K is a Type K surface probe.

Model No. 88007(*)

Miniature, fast response probe. Ideal for measuring the surface temperature of small electronic parts. 250°C (480°F) max. surface temperature.

Replaceable Element supplied free, for additional elements order **Model No. 88007(*)-RE**,

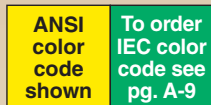


TAS adaptor

PATENTED

Covered by U.S and International patents and pending applications

**ALL MODELS
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**Model No. 88006(*)**

Miniature, fast response probe with 480°C (900°F) max. surface temperature. Ideal for surface temperatures of small electronic parts.

Replaceable Element not supplied, **Model No. 88006(*)-RE**,

Model No. 88016(*) High temperature, right-angle probe, with miniature pencil type head. Best suited to stationary surfaces, with sensing head parallel to the handle. 480°C (900°F) max. surface temperature.

Replaceable Element not supplied, order **Model No. 88016(*)-RE**,

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



Miniature Connector



Model No. 88026(*) High temperature, right-angle probe, with miniature pencil type head. Best suited to stationary surfaces, with sensing head perpendicular to the handle. 480°C (900°F) max. surface temperature.

Replaceable Element not supplied, order **Model No. 88026(*)-RE**,

* Specify calibration: K - Type K Thermocouple E - Type E Thermocouple
Ordering Example: 88007K probe with type K Thermocouple,

Replaceable Element Design

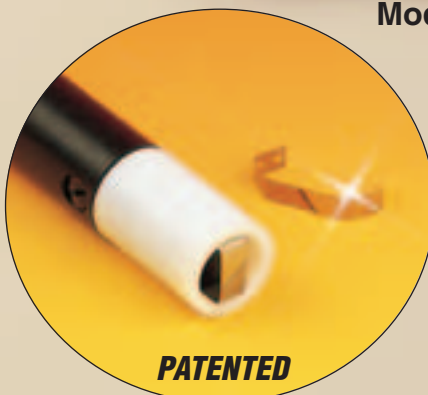
Customer Replaceable Element: probe is supplied with one additional element.

Factory Replaceable Element: OMEGA® can install replaceable elements and check the probe for, with the first replacement free! For non-replaceable element probes, replacement probes are available with a one time trade-in discount. Please contact our Customer Service Department for details.

To order Replaceable Elements, add suffix **"-RE"** to model no., each.

Ordering Example: 88026K-RE for 88026K probe.

*Insert calibration needed, e.g. K (Type K thermocouple).



PATENTED

Model No. 88007K and replaceable element, Model No. 88007K-RE.

Unique Surface Probes

ANSI color code shown
To order IEC color code see pg. A-9

ALL MODELS AVAILABLE FOR FAST DELIVERY!

Model No. 88222(*)

Right-angle probe ideal for measuring moving or rotating surfaces. Can be used in paper, fiber, printing, iron and steel industries. Max. surface temperature of 250°C (480°F).
(Replaceable Element supplied free, for additional elements order Model No. 88222()-RE.)*

Model No. 88223(*)

Surface probe designed for measuring moving or rotating surfaces. Ideal for surfaces perpendicular to the probe handle. Max. surface temperature of 250°C (480°F).
(Replaceable Element supplied free, for additional elements order Model No. 88223()-RE.)*



PATENTED

Covered by U.S and International patents and pending applications

Model No. 88221(*)

Model No. 98221(*)

with Swivel Head

Ideal for measurements of moving or stationary flat, smooth surfaces. Max. surface temperature of 250°C (480°F) allows for use on both metal and plastic surfaces. Surface velocity of moving surfaces should not exceed 90 meters (300 ft.) per minute.

(Replaceable Element supplied free, for additional elements order Model No. 88221()-RE.)*

See Following Pages for Dimensions
Unique Swivel Head Design Available 98000 Probes

Model 98221K shown



TAS adaptor

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

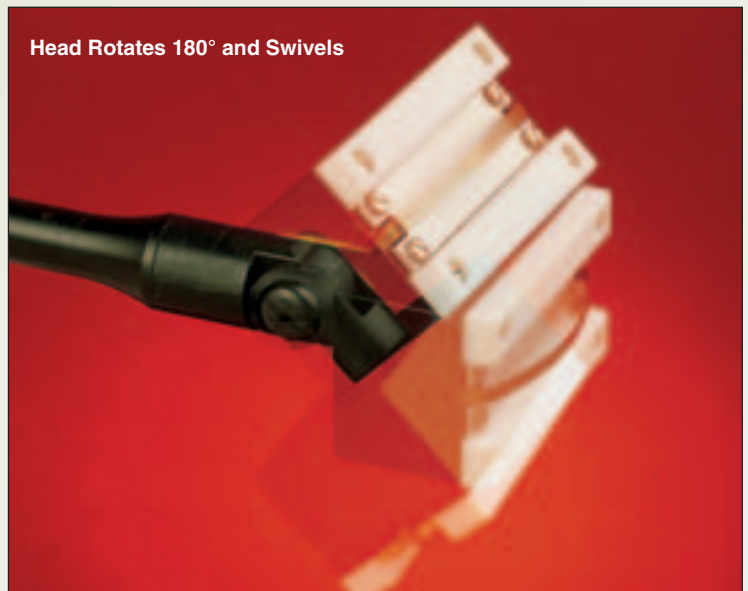
Model No. 88220(*)

Model No. 98220(*)

with Swivel Head

Ideal for measuring the temperature of rollers 100 to 152 mm (4 to 6") in diameter, with velocities to 61 meters (200') per minute. Max. surface temperature of 250°C (480°F).

(Replaceable Element supplied free, for additional elements order Model No. 88220()-RE.)*



Head Rotates 180° and Swivels

Ordering Example: 98220E, Type E (CHROME[®]-Constantan) Surface probe with swivel head, rated to 250°C (480°F), 88222K, Type K (CHROME[®]-ALOMEGA) Right-angle surface probe, rated to 250°C (480°F),

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Covered by U.S and International patents and pending applications



TAS adaptor

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

ALL MODELS AVAILABLE FOR FAST DELIVERY!

ANSI color code shown	To order IEC color code see pg. A-9
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Model No. 88226(*)

Model No. 98226(*)

with Swivel Head

Right-angle probe for rotating rollers of 152 to 300 mm (6 to 12") in diameter. 61 meters (200') per minute max. velocity, with 250°C (480°F) max. surface temperature.

(Replaceable Element supplied free, for additional elements order Model No. 88226()-RE.)*

Model No. 98225(*)

with Swivel Head

Right-angle probe for rotating rollers of 300 to 584 mm (12 to 23") in diameter. 30 meters (100') per minute max. velocity, with 250°C (480°F) max. surface temperature.

(Replaceable Element supplied free, for additional elements order Model No. 88225()-RE)*

Model No. 88225(*)

Model No. 88224(*)

Right-angle probe for rotating rollers from 100 to 152 mm (4 to 6") in diameter. Max. surface temperature of 250°C (480°F).

(Replaceable Element supplied free, or additional elements, order Model No. 88224()-RE.)*

***Specify Calibration:**

K: CHROMEQA®-ALOMEGA®

E: CHROMEQA®-Constantan

Model No. 88227(*)

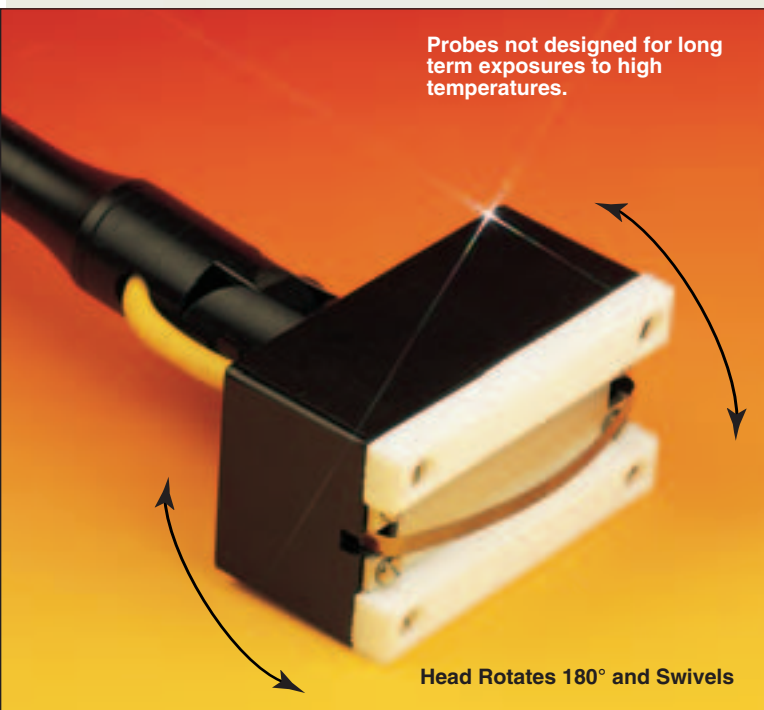
Model No. 98227(*)

with Swivel Head

For surface measurements with end braces to minimize flexing due to a moving surface; this also prolongs probe life. Teflon® sliders ensure smooth operation on both metal and plastic surfaces. 61 meters (200') per minute max. velocity, 250°C (480°F) max. surface temperature.

Ordering Example: 98227K is a model 98227 swivel head surface probe in Type K thermocouple,

(Replaceable Element supplied free, for additional elements order Model No. 88227()-RE,)*



Probes not designed for long term exposures to high temperatures.

Head Rotates 180° and Swivels

Model No. 88304(*)

Model No. 88303(*)

**ALL MODELS AVAILABLE
FOR FAST DELIVERY!**

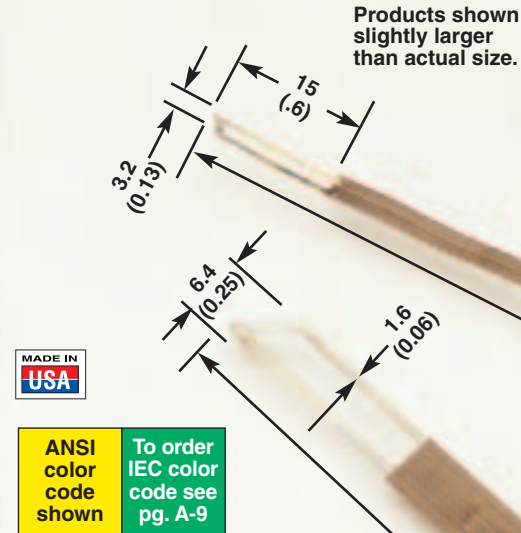
Flat, leaf-type thermocouple ideal for measuring layers of plywood, plastic, paper and various laminates, with long, 48 cm (19") length. The thermocouple is 0.15 mm (0.006") thick and protected by a 0.8 mm (0.032") Teflon® jacket, with 50 mm (2") bare at the measurement end. Max. service temperature is 215°C (420°F). The 88304 is supplied with an OMEGA® OSTW standard-size connector with a TAS-2 standard-to-mini adaptor, and TEC extension cable.

Due to the design and construction of the 88304, the element is not replaceable.

Short leaf-type thermocouple ideal for measuring layers of plywood, plastic, paper and various laminates. The thermocouple is 0.25 mm (0.010") by 0.71 mm (0.028"), protected by a 0.51 mm (0.020") Teflon® jacket. Max. service temperature is 215°C (420°F). The 88303 is supplied with an OMEGA® OSTW standard-size connector with a TAS-2 standard-to-mini adaptor, and TEC extension cable.

Due to the design and construction of the 88303, the element is not replaceable.

**OSTW
Standard
Connector**



Products shown slightly larger than actual size.

Model No. 88309(*)

Fast response flat leaf-type thermocouple ideal for measuring layers of plywood, plastic, paper and various laminates. The thermocouple is 100 mm (4") long and 0.05 mm (0.002") thick. Max. service temperature is 210°C (410°F). The 88309 is supplied with an OMEGA® OSTW, TAS-3 adaptor and TEC extension cable.

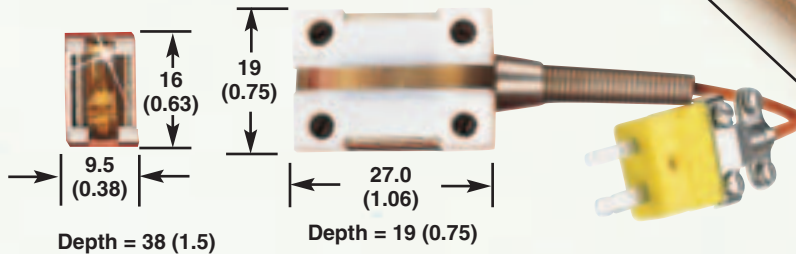
Due to the design and construction of the flat leaf-type element, it is not replaceable.

**SMPW Miniature
Connector**

*** Specify Calibration:**

- K:** CHROMEQA®-ALOMEGA®
- E:** CHROMEQA®-Constantan

Dimensions mm (in)



Model No. 88302(*)

**SMPW
Miniature
Connector**

0.020" nominal thickness, outside of insulation.

Model No. 88402(*)

Model No. 88401(*)

Magnetized probes, suitable for long term contact pressure. Requires 10 minutes to reach full surface temperature. The 88401 is rated to max. surface temperature of 250°C (480°F). The 88402 is rated to max. service temperature of 400°C (750°F). It is supplied with a Teflon lead wire, SMPW connector and TAS adaptor.

Due to the design and construction of the 88402, the element is not replaceable.

(Model No. 88401 Replaceable Element supplied free, for additional elements, order Model No. 88401()-RE, .)*

Flat leaf-type thermocouple ideal for measuring layers of plywood, plastic, paper and various laminates. The small transition allows the probe to be permanently mounted in many installations. Max. surface temperature is 210°C (410°F). The 88302 is supplied with an OMEGA® SMPW, TAS-3 adaptor and TEC extension cable.

Due to the design and construction of the 88302, the element is not replaceable.

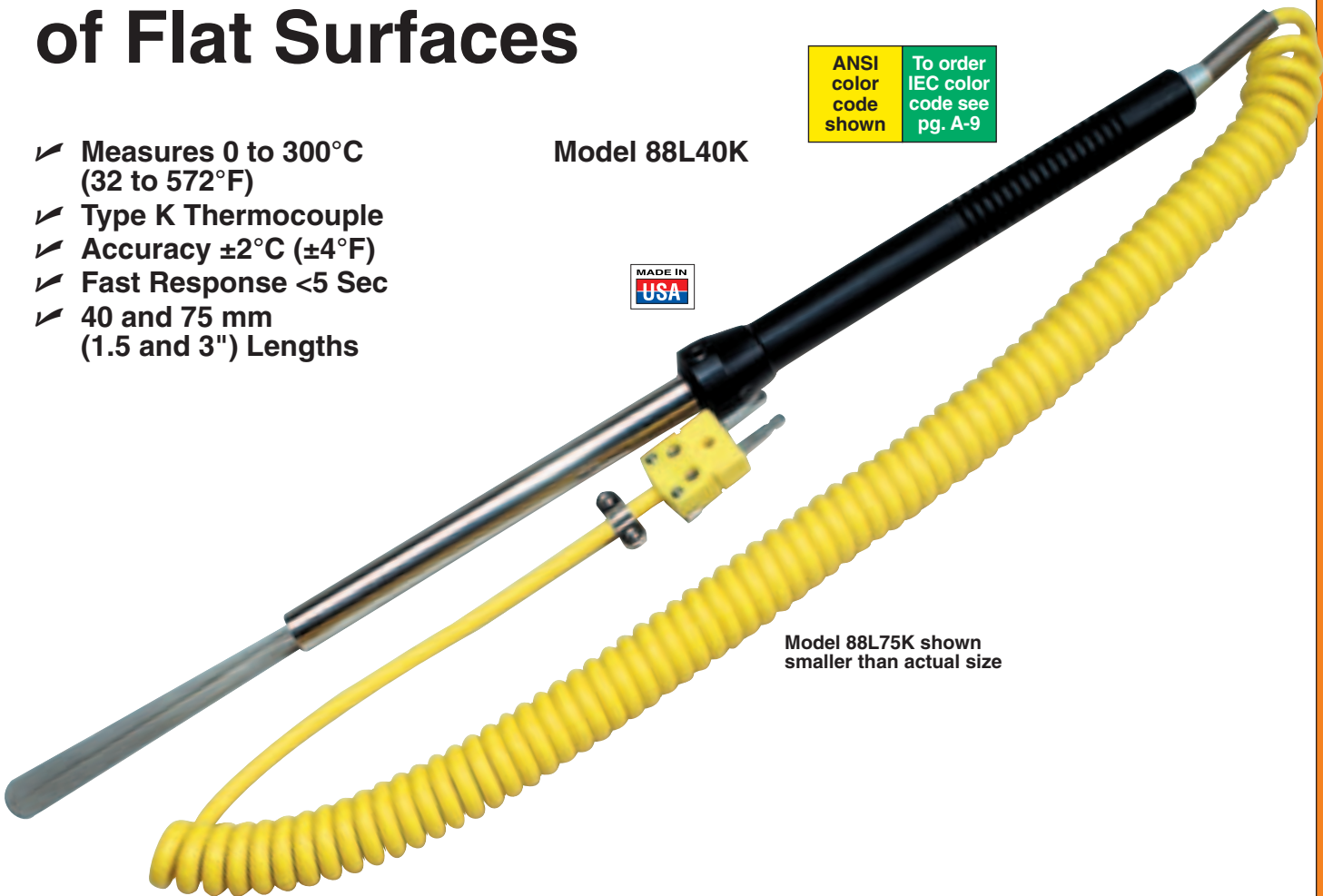
Ordering Example: 88302K style 88302 leaf-type probe in Type K thermocouple, .

Leaf Surface Probes For Instant Measurement of Flat Surfaces

- ✓ Measures 0 to 300°C (32 to 572°F)
- ✓ Type K Thermocouple
- ✓ Accuracy ±2°C (±4°F)
- ✓ Fast Response <5 Sec
- ✓ 40 and 75 mm (1.5 and 3") Lengths

Model 88L40K

ANSI color code shown
To order IEC color code see pg. A-9



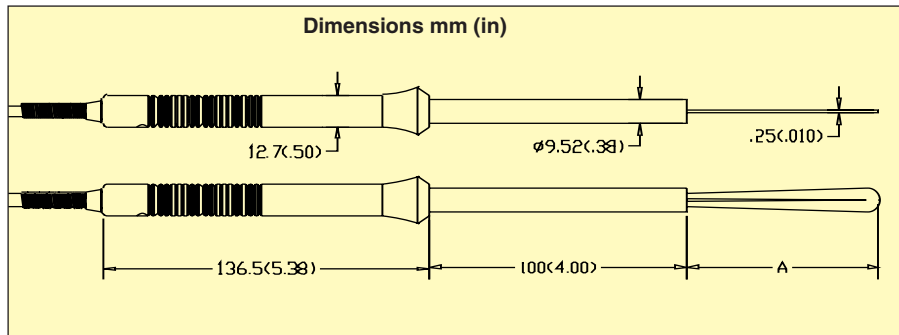
Model 88L75K shown smaller than actual size

Supplied with

- ✓ Coiled Cord — 25 mm (1') Stretches to Over 1.5 m (5')
- ✓ Protective Leaf Cover
- ✓ Ergonomic Handle
- ✓ SMPW Miniature Connector with Mating Connector or TAS with Clip and Clamp

These unique leaf style surface probes are designed for instant measurement of temperature on flat surfaces.

Their ultra low thermal mass and flexible construction make them ideal for rugged industrial applications. Their Type K thermocouple is compatible with all standard handheld digital thermometers.



ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Max. Temp.	A Dimension	Applications
88L40K	300°C (572°F)	40 mm (1.5")	Type K Thermocouple
88L75K	300°C (572°F)	75 mm (3")	For flat surfaces

Response time for probes is under 5 seconds. Probes come with a protective cover and a coiled cable that stretches to 1.5 m (5') and a miniature Type K connector.

Ordering Example: 88L75K 75 mm Leaf probe,

Unique Surface Probes

ANSI color code shown To order IEC color code see pg. A-9

Model No. 88203(*)

PATENTED

Covered by U.S. and International patents and pending applications



Model No. 98203(*)

with Swivel Head

For rotating, smooth metallic surfaces of 229 to 610 mm (9 to 24") in diameter. 90 m (300') per minute max. surface velocity. Max. surface temperature of 205°C (400°F).
(Replaceable Element supplied free, for additional elements order Model No. 88203(*)-RE)

Model No. 88201(*)

A roller-surface probe, for use on moving or rotating, smooth surfaces with a velocity up to 61 m (200') per minute. Max. surface temperature of 205°C (400°F).
(Replaceable Element supplied free, for additional elements order Model No. 88201(*)-RE,)

Model No. 98201(*)

with Swivel Head

See Following Pages for Dimensions

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

Model No. 88202(*)

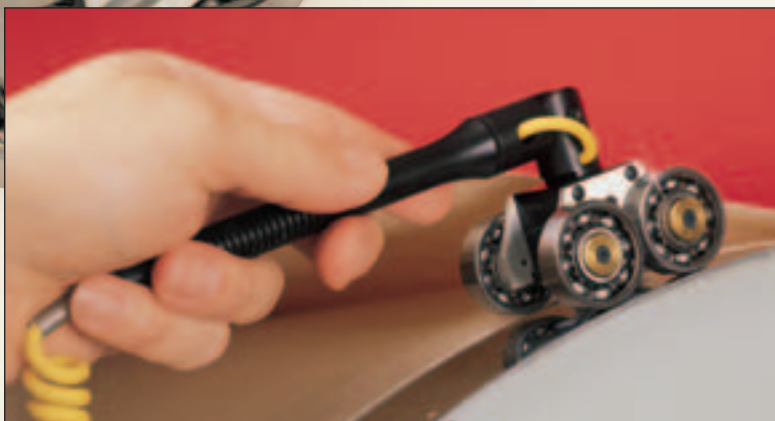
Model No. 98202(*)

with Swivel Head

A roller-surface probe, ideal for measuring outside wall temperatures of smooth plastic or steel piping. Can be used on moving or rotating surfaces of 559 to 1524 mm (22 to 60") in diameter, with 90 m (300') per minute max. surface velocity. Max. surface temperature of 205°C (400°F).

(Replaceable Element supplied free, for additional elements order Model No. 88202(*)-RE,)

Ordering Example: 98201K style 98201 swivel head roller surface probe in Type K thermocouple.





UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• 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