

Profile Probes

Made From High-Accuracy Special-Limits-of-Error Wire

- ✓ 3, 6, & 10 Sensing Points
- ✓ 450 and 900 mm (18 and 36") Lengths Standard††
- ✓ 1 m (40") Long, 24 AWG
- ✓ Stranded Individual Leads with Miniature Connector Termination
- ✓ J, K, T, and E Calibrations
- ✓ 4.5 mm or 3/16" Diameter 316 SS Sheaths
- ✓ Individual Thermocouple Terminations Labeled for Easy Identification
- ✓ Up to 650°C (1200°F) Max Temperature Ratings

Model PP6-36-K-G-36 shown, \$412.

Starts at
\$283



Profile probes consist of several smaller diameter thermocouples placed inside a single outer sheath. They are best suited for profiling the temperature at various points along a single axis. They can be used in many different applications: furnaces, reactors, heat exchangers, air ducts, and more. Mounting these probes with compression fittings permit easy adjustment of insertion position.

Standard Versions

OMEGA offers several different versions of profile probes in a variety of lengths, calibrations, and sensing points configurations.

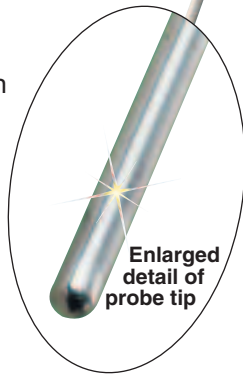
Custom Versions

Profile Probes designed to your exact needs are, of course, also available.

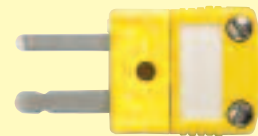
Pick your own spacing between temperature points, number of sensing points, diameter, sheath material, thermocouple calibration and termination style.

Note: Smaller diameter Profile Probes mean faster response times. The minimum diameter of a profile probe is dependent upon the maximum temperature you want to monitor and number of sensing points desired.

Visit omega.com/profileprobe or sketch your probe on the following page and fax it to OMEGA's Custom Engineering Department, or call 1-800-TC-OMEGA for more details.



Profile Probes Come with Miniature Connector Termination.



Shown actual size.

| To Order (Specify Model Number) | | | | | | |
|---------------------------------|------------------|--------------------------|-------------|---------|---------------------|---------|
| Protection Tube O.D. in. | Male Th's NPT | Length mm (inches) | Brass | | 316 Stainless Steel | |
| | | | Model No. | Pr. Ea. | Model No. | Pr. Ea. |
| 1/16 | 1/16 | 24.6 (0.97) | N/A | — | SSLK-116-116 | \$14.50 |
| 1/16 | 1/8 | 26.2 (1.03) | BRLK-116-18 | \$4.75 | SSLK-116-18 | 14.00 |
| 1/8 | 1/8 | 30.0 (1.18) | BRLK-18-18 | 3.00 | SSLK-18-18 | 8.50 |
| 1/8 | 1/4 | 44.2 (1.74) | BRLK-18-14 | 3.50 | SSLK-18-14 | 10.00 |
| 3/16 | 1/8 | 31.0 (1.22) | BRLK-316-18 | 3.00 | SSLK-316-18 | 8.50 |
| 3/16 | 1/4 | 46.0 (1.81) | BRLK-316-14 | 3.50 | SSLK-316-14 | 10.00 |
| 1/4 | 1/8 | 32.8 (1.29) | BRLK-14-18 | 3.50 | SSLK-14-18 | 8.00 |
| 1/4 | 1/4 | 37.6 (1.48) | BRLK-14-14 | 3.50 | SSLK-14-14 | 8.50 |
| 5/16 | 1/4 | 39.1 (1.54) | N/A | — | SSLK-516-14 | 10.50 |
| 3/8 | 1/4 | 40.4 (1.59) | BRLK-38-14 | 3.50 | SSLK-38-14 | 11.00 |
| 3/8 | 3/8 | 40.4 (1.59) | BRLK-38-38 | 4.00 | SSLK-38-38 | 12.50 |
| 3/8 | 1/2 | 46.0 (1.81) | BRLK-38-12 | 5.50 | SSLK-38-12 | 15.50 |
| 1/2 | 1/2 | 49.3 (1.94) | BRLK-12-12 | 6.25 | SSLK-12-12 | 18.00 |

See page A-127 for additional information on replacement ferrules.

MOST POPULAR MODELS HIGHLIGHTED!

| To Order (Specify Model Number) | | | | |
|---------------------------------|---------------------------------|-----------------|----------------------------------|-------|
| Model Number | # Sensing Length mm (inches) | Sensing Points† | Space Between Points mm (in.) | Price |
| PP3-36-(*)-(**)-18 | 450 (18) | 3 | 115 (4.5) | \$283 |
| PP6-36-(*)-(**)-18 | 450 (18) | 6 | 45 (1.75) | 389 |
| PP10-36-(*)-(**)-18 | 450 (18) | 10 | 32 (1.25) | 520 |
| PP3-36-(*)-(**)-36 | 900 (36) | 3 | 228 (9.0) | 298 |
| PP6-36-(*)-(**)-36 | 900 (36) | 6 | 89 (3.5) | 412 |
| PP10-36-(*)-(**)-36 | 900 (36) | 10 | 51 (2.0) | 556 |

(*) Specify calibration type: J, K, T, or E. (**) Specify "G" for grounded or "U" for ungrounded individual thermocouple junctions.
 Note: Maximum Continuous Temperatures: J, T: 260°C (500°F); E: 300°C (570°F); K: 650°C (1200°F)
 † First point always at probe tip. †† Other lengths available, consult Sales Department
 Ordering Example: PP6-36-K-G-18, 6 point profile probe, 450 mm (18") long 316 SS sheath, grounded junctions, Type K, with 1 m (40") PFA lead wire terminating in miniature connectors, \$389

Compression Fittings OMEGALOK®

- ✓ Ferrule Design for Positive Pressure Seal
- ✓ Heavy Duty Construction in Stainless Steel or Brass
- ✓ For Protection Tube Diameters 1/16 up to 1/2"



For metric sizes, see page A-128.

Brass and stainless steel compression fittings.

Custom Profile Probe Quotation Form

Copy Page and Fax to OMEGA

Name: _____

Date: _____

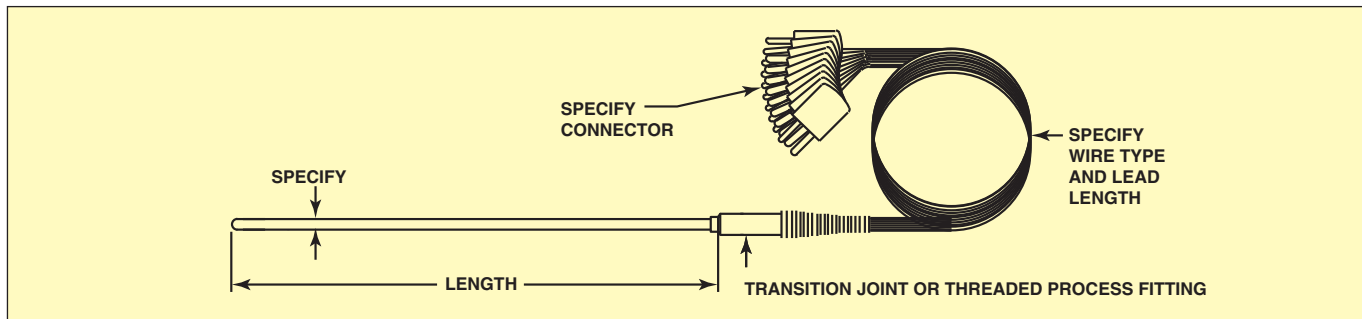
Company: _____

RFQ #: _____

Phone #: _____

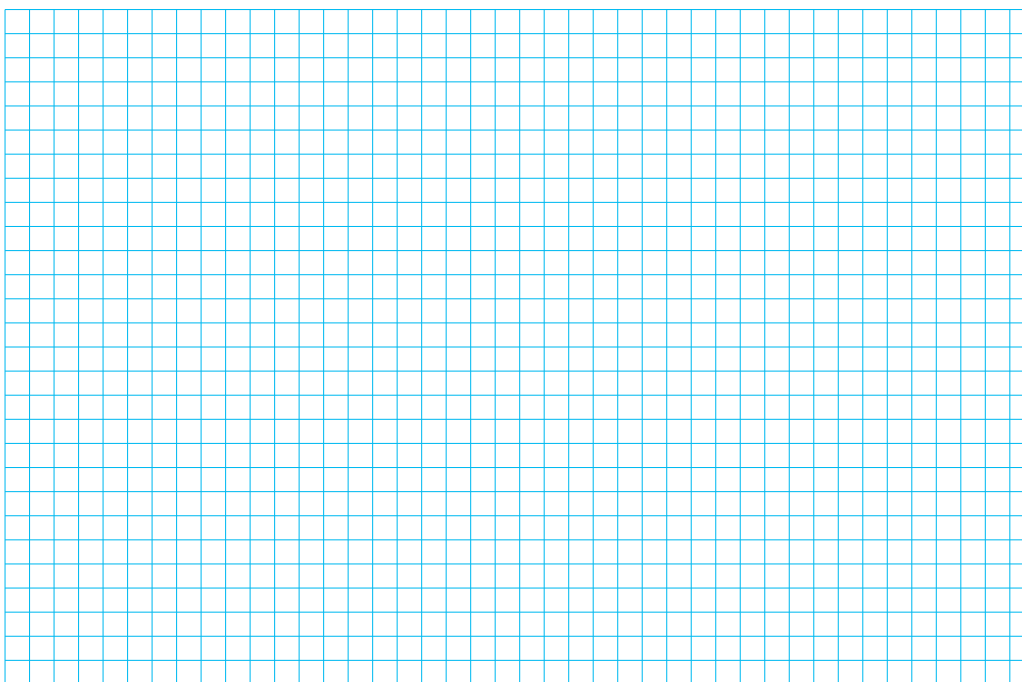
e-mail: _____

Fax: _____



Sketch your special thermocouple, RTD, or thermistor probe:

(Use page X-25 in addition to this page for RTD or thermistor profile probes)



Probe Length: _____

Maximum Service Temp: _____

Probe Diameter: _____

Number of Points: _____

Probe Material: _____

Evenly Spaced? _____

Lead Length: _____

Additional Notes: _____

Termination: _____

Junction: Grounded or Ungrounded _____

Qty: _____

T/C Calibration: _____

Fax the completed form to OMEGA's Custom Engineering Department
 at (203) 359-7890 or e-mail your request to: custom@omega.com
 Visit askomega.com to download this form



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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