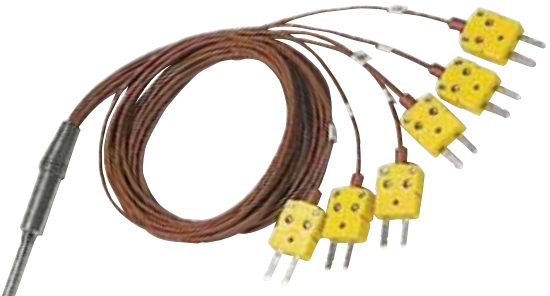
Profile Probes

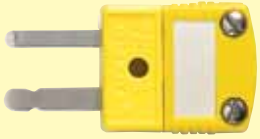
Made From High-Accuracy Special-Limits-of-Error Wire

- 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



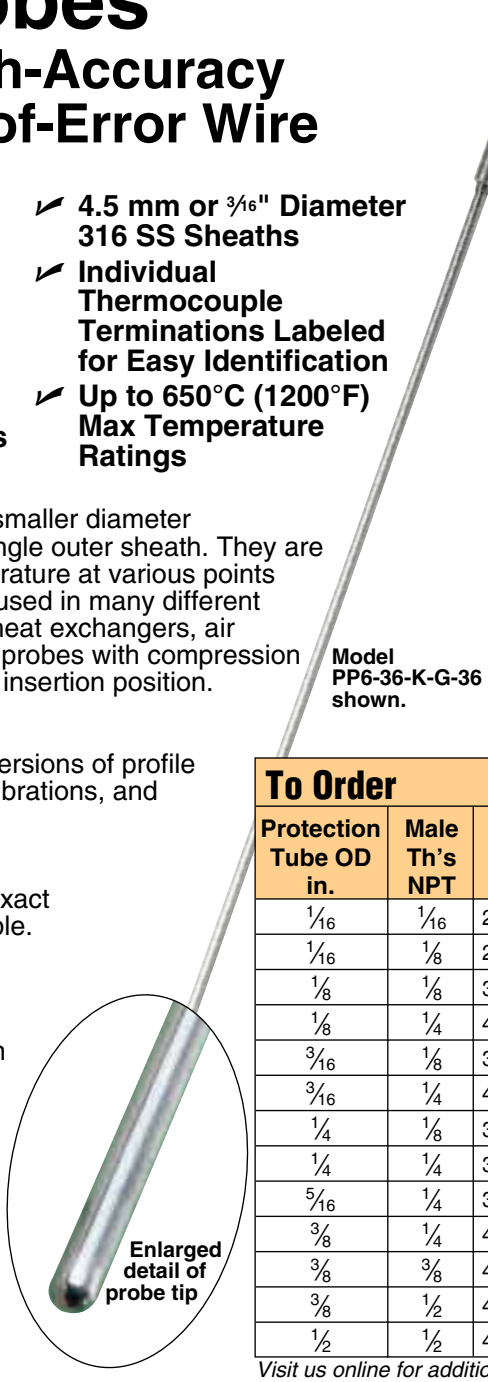
MEETS OR EXCEEDS SPECIAL LIMITS OF ERROR (SLE) AND EN 60584-2: Tolerance Class 1

Profile Probes Come with Miniature Connector Termination.



Shown actual size.

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.



Model PP6-36-K-G-36 shown.

Enlarged detail of probe tip



Now Available! M8/M12 CONNECTORS

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 us online or sketch your probe on the following page and fax it to OMEGAs Custom Engineering Department,
or call for more details.

To Order

Protection Tube OD in.	Male Th's NPT	Length mm (inches)	Brass Model No.	316 Stainless Steel Model No.
1⁄16	1⁄16	24.6 (0.97)	N/A	SSLK-116-116
1⁄16	1⁄8	26.2 (1.03)	BRLK-116-18	SSLK-116-18
1⁄8	1⁄8	30.0 (1.18)	BRLK-18-18	SSLK-18-18
1⁄8	1⁄4	44.2 (1.74)	BRLK-18-14	SSLK-18-14
3⁄16	1⁄8	31.0 (1.22)	BRLK-316-18	SSLK-316-18
3⁄16	1⁄4	46.0 (1.81)	BRLK-316-14	SSLK-316-14
1⁄4	1⁄8	32.8 (1.29)	BRLK-14-18	SSLK-14-18
1⁄4	1⁄4	37.6 (1.48)	BRLK-14-14	SSLK-14-14
5⁄16	1⁄4	39.1 (1.54)	N/A	SSLK-516-14
3⁄8	1⁄4	40.4 (1.59)	BRLK-38-14	SSLK-38-14
3⁄8	3⁄8	40.4 (1.59)	BRLK-38-38	SSLK-38-38
3⁄8	1⁄2	46.0 (1.81)	BRLK-38-12	SSLK-38-12
1⁄2	1⁄2	49.3 (1.94)	BRLK-12-12	SSLK-12-12

Visit us online for additional information on replacement ferrules.

To Order

# Sensing Length Model Number	Sensing mm (in)	Points†	Space Between Points mm (in)
PP3-36-(*)-(**)-18	450 (18)	3	115 (4.5)
PP6-36-(*)-(**)-18	450 (18)	6	45 (1.75)
PP10-36-(*)-(**)-18	450 (18)	10	32 (1.25)
PP3-36-(*)-(**)-36	900 (36)	3	228 (9.0)
PP6-36-(*)-(**)-36	900 (36)	6	89 (3.5)
PP10-36-(*)-(**)-36	900 (36)	10	51 (2.0)

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, visit us online.



Brass and stainless steel compression fittings.

(*) *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*

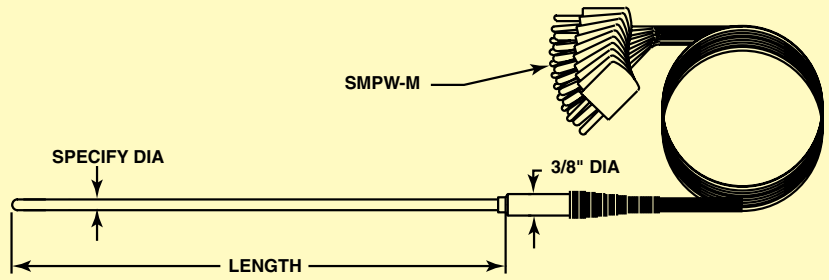
For a male straight M8 plug add ***"M8-S-M"*** *to the model number for an additional cost, for a male straight M12 plug add* ***"M12-S-M"*** *to the model number for an additional cost. For a male right-angled M8 plug add* ***"M8-R-M"*** *to the model number for an additional cost, for a male right-angled M12 plug add* ***"M12-S-M"*** *to the model number for an additonal cost.*

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.*

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:
(Visit us online in addition to this page for RTD or thermistor profile probes)

Probe Length: _____
_____
Probe Diameter: _____ _____
Probe Material: _____
_____
Lead Length: _____ _____
Termination: _____ _____
Junction: Grounded or Ungrounded

Qty: _____ _____
T/C Calibration: _____ _____
Maximum Service Temp: _____ _____
Number of Points: _____ _____
Evenly Spaced? _____ _____
Additional Notes: _____ _____
_____
_____

Fax the completed form to OMEGA's Custom Engineering Department or e-mail your request. Visit us online to download this form.