

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

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

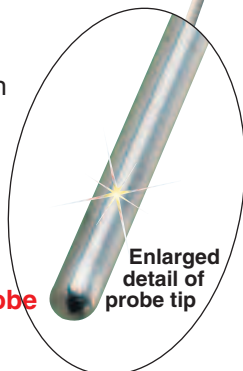
Custom Versions

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

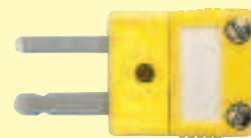
Pick your own spacing between temperature points, number of sensing points, diameter, sheath material, thermocouple calibration and termination style.

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 newportUS.com/profileprobe or sketch your probe on the following page and fax it to Newport Custom Engineering Department



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.

