

Digi-Sense® Surface Thermocouple Probes with Miniconnector End

Stop struggling to read flat surfaces



Surface probes are designed for monitoring a wide range of flat surfaces. Probes with handles feature a strain relief spring that protects the cable connection against damage due to repeated flexing and tugging. ABS handles provide a lightweight design for ease of use along with durability.

Type	Dimensions†	Temperature range °F (°C)††	Accuracy	Catalog number	Price*	Photo
Compact surface probes with aluminum housing/handle and ceramic support (exposed). Use to monitor surfaces such as hot plates, furnaces, and molds.						
J	Tip: 0.25" dia, OD: 0.63" dia;	–310 to 1200 (–190 to 649)	±7.9°F (±4.4°C), or ±0.4% of rdg above 32°F (0°C); ±2.0% of rdg below 32°F (0°C)	GH-08519-66		
K	Handle: 4.5"L	–418 to 1200 (–250 to 649)		GH-08514-66		
T	Cable: 5-ft fiberglass with SS overbraid; Miniconnector	–418 to 700 (–250 to 371)	±3.6°F (±2.0°C), or ±0.4% of rdg above 32°F (0°C); ±0.8% of rdg below 32°F (0°C)	GH-08525-66		
Standard surface probes with aluminum housing, 316 SS shaft and ABS handle (exposed). Use to monitor hot plates, furnaces, and molds. Made with ceramic support inside a 2" aluminum housing.						
J	Tip: 2"L x 0.63" dia	–310 to 1200 (–190 to 649)	±7.9°F (±4.4°C), or ±0.4% of rdg above 32°F (0°C); ±2.0% of rdg below 32°F (0°C)	GH-08517-60		
K	Sheath: 8"L x 0.188" dia	–418 to 1200 (–250 to 649)		GH-08516-60		
T	Handle: 5.5"L Cable: 5-ft coiled cord Miniconnector	–418 to 650 (–250 to 343)	±3.6°F (±2.0°C), or ±0.4% of rdg above 32°F (0°C); ±0.8% of rdg below 32°F (0°C)	GH-08500-60		
Small-diameter surface probes with 316 SS housing, 316 SS shaft and ABS handle (exposed). These probes are ideal for confined surface area readings or hard-to-reach places.						
J	Tip: 1.5"L x 0.25" dia,	–310 to 1200 (–190 to 649)	±5.9°F (±3.3°C), or ±0.4% of rdg above 32°F (0°C); ±2.0% of rdg below 32°F (0°C)	GH-08517-62		
K	Sheath: 6.5"L x 0.125" dia	–418 to 1200 (–250 to 649)		GH-08516-62		
T	Handle: 5.5"L Cable: 5-ft coiled cord Miniconnector	–418 to 650 (–250 to 343)	±2.7°F (±1.5°C), or ±0.4% of rdg above 32°F (0°C); ±0.8% of rdg below 32°F (0°C)	GH-08500-62		
Compact 90°-angle surface probes with 316 SS housing, 316 SS shaft and ABS handle (exposed). Use to monitor hot plates, furnaces, and molds. Ideal for limited space applications.						
J	Tip: 1.1"L x 0.63" dia	–310 to 1200 (–190 to 649)	±7.9°F (±4.4°C), or ±0.4% of rdg above 32°F (0°C); ±2.0% of rdg below 32°F (0°C)	GH-08517-63		
K	Sheath: 8"L x 0.188" dia	–418 to 1200 (–250 to 649)		GH-08516-63		
T	Handle: 5.5"L Cable: 5-ft coiled cord Miniconnector	–418 to 650 (–250 to 343)	±3.6°F (±2.0°C), or ±0.4% of rdg above 32°F (0°C); ±0.8% of rdg below 32°F (0°C)	GH-08500-63		
90°-angle surface probes with aluminum housing, 316 SS shaft and ABS handle (exposed). Use to monitor hot plates, furnaces, and molds. Ideal for hard-to-reach areas.						
J	Tip: 2"L x 0.63" dia	–310 to 1200 (–190 to 649)	±7.9°F (±4.4°C), or ±0.4% of rdg above 32°F (0°C); ±2.0% of rdg below 32°F (0°C)	GH-08517-64		
K	Sheath: 6"L x 0.188" dia	–418 to 1200 (–250 to 649)		GH-08516-64		
T	Handle: 5.5"L Cable: 5-ft coiled cord Miniconnector	–418 to 650 (–250 to 343)	±3.6°F (±2.0°C), or ±0.4% of rdg above 32°F (0°C); ±0.8% of rdg below 32°F (0°C)	GH-08500-64		
45°-angle surface probes with aluminum housing, 316 SS shaft and ABS handle (exposed). For measuring hard-to-reach areas; made with ceramic support inside a 2" aluminum housing.						
J	Tip: 2"L x 0.63" dia	–310 to 1200 (–190 to 649)	±7.9°F (±4.4°C), or ±0.4% of rdg above 32°F (0°C); ±2.0% of rdg below 32°F (0°C)	GH-08517-61		
K	Sheath: 8"L x 0.188" dia	–418 to 1200 (–250 to 649)		GH-08516-61		
T	Handle: 5.5"L Cable: 5-ft coiled cord Miniconnector	–418 to 650 (–250 to 343)	±3.6°F (±2.0°C), or ±0.4% of rdg above 32°F (0°C); ±0.8% of rdg below 32°F (0°C)	GH-08500-61		
Fast-response 304 SS surface probe with Delrin® acetal handle (exposed). Ideal for small scale stationary applications, including electronics.						
K	Tip: 0.17" dia Sheath: 0.2"L x 0.625" dia Handle: 6"L Cable: 3-ft cord; Miniconnector	–418 to 752 (–250 to 400)	±5.9°F (±3.3°C), or ±0.4% of rdg above 32°F (0°C); ±2.0% of rdg below 32°F (0°C)	GH-08533-96		
304 SS surface probe with guarded tip and Delrin® acetal handle (exposed). Durable precision construction offers high accuracy and extra-fast response. Ideal for industrial applications.						
K	Tip: 0.625" dia Sheath: 1.75"L x 0.625" dia Handle: 4.75"L Cable: 3-ft FEP; Miniconnector	–418 to 932 (–250 to 500)	±5.9°F (±3.3°C), or ±0.4% of rdg above 32°F (0°C); ±2.0% of rdg below 32°F (0°C)	GH-08447-21		
90°-angle surface probe with PTFE coated guarded tip and Delrin® acetal handle (exposed). Angled probe allows you to take measurements in hard-to-reach or difficult-to-contact areas. PTFE-guarded tip protects the exposed junction.						
K	Tip: 1.125"L x 0.625" dia Handle: 5"L Cable: 3-ft coiled cord Miniconnector	–418 to 500 (–250 to 260)	±5.9°F (±3.3°C), or ±0.4% of rdg above 32°F (0°C); ±2.0% of rdg below 32°F (0°C)	GH-08445-10		
90°-angle 304 SS surface probes with guarded tip probes and Delrin® acetal handle (exposed). Durable precision construction offers high accuracy and extra-fast response. Ideal for industrial applications.						
K	Tip: 1.125"L x 0.625" dia Sheath: 1.75" Handle: 4.75"L Cable: 3-ft FEP; Miniconnector	–418 to 932 (–250 to 500)	±5.9°F (±3.3°C), or ±0.4% of rdg above 32°F (0°C); ±2.0% of rdg below 32°F (0°C)	GH-08447-41		
Kapton® self-adhesive surface probes (grounded). Designed for high temperature and long-term durability. Kapton® tape glue is rated up to 400°F (203°C). Pack of 3.						
J	Adhesive tape 1" x 2" Cable: 5-ft insulated wire Miniconnector	–310 to 675 (–190 to 357)	±4.0°F (±2.2°C), or ±0.4% of rdg above 32°F (0°C); ±2.0% of rdg below 32°F (0°C)	GH-08519-50		
K		–418 to 675 (–250 to 357)		GH-08519-52		
T		–418 to 675 (–250 to 357)	±1.8°F (±1.0°C), or ±0.4% of rdg above 32°F (0°C); ±0.8% of rdg below 32°F (0°C)	GH-08519-54		

††Temperature range is for the probe tip only. The handle material may be affected if the probe is rated higher than the handle depending on exposure time, application, and handle material. ABS handles are rated to 220°F (104°C); PVC handles are rated to 200°F (93°C); Stainless steel handles are rated to 450°F (232°C).

*Overall probe sheath lengths may vary up to ±0.25".

*Discounts: Save 10% on 6-10 probes of any assortment, 15% on 11-24 probes, and 20% on 25-50 probes.