## 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.

|   |   | Temperature   | of use along with durability.  | Catalog                 | Duiset         | Dhata   |  |
|---|---|---|--|-------------------------|----------------|---|--|
| Гуре  | Dimensions†   | range<br>°F (°C) <sup>††</sup>                                    | Accuracy   | number                  | Price*         | Photo   |  |
| Com   | pact surface probes with alu  | minum housing/handle and ce                                       | eramic support (exposed). Use to monitor surfa   | aces such as hot p      | lates, furnace | s, and molds.                                 |  |
| J   | Tip: 0.25" dia, 0D: 0.63" dia;  | -310 to 1200 (-190 to 649)  | ±7.9°F (±4.4°C), or ±0.4% of rdg above   | GH-08519-66             |                |   |  |
| K   | Handle: 4.5"L<br>Cable: 5-ft fiberglass with<br>SS overbraid; Miniconnector   | -418 to 1200 (-250 to 649)  | 32°F (0°C); ±2.0% of rdg below 32°F (0°C)  | GH-08514-66             |                |   |  |
| T   |   | -418 to 700 (-250 to 371)   | $\pm 3.6$ °F ( $\pm 2.0$ °C), or $\pm 0.4$ % of rdg above 32°F (0°C); $\pm 0.8$ % of rdg below 32°F (0°C)  | GH-08525-66             |                |   |  |
|   | ndard surface probes with alu<br>luminum housing.   | minum housing, 316 SS shaft                                       | and ABS handle (exposed). Use to monitor ho  | t plates, furnaces,     | and molds. Ma  | ade with ceramic support inside a             |  |
| 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   | GH-08517-60             |                |   |  |
| K   | Sheath: 8"L x 0.188" dia<br>Handle: 5.5"L   | -418 to 1200 (-250 to 649)  | 32°F (0°C); ±2.0% of rdg below 32°F (0°C)  | GH-08516-60             |                |   |  |
| T   | Cable: 5-ft coiled cord<br>Miniconnector  | -418 to 650 (-250 to 343)   | $\pm 3.6$ °F ( $\pm 2.0$ °C), or $\pm 0.4$ % of rdg above 32°F (0°C); $\pm 0.8$ % 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   | GH-08517-62             |                |   |  |
| K   | Sheath: 6.5"L x 0.125" dia<br>Handle: 5.5"L   | -418 to 1200 (-250 to 649)  | 32°F (0°C); ±2.0% of rdg below 32°F (0°C)  | GH-08516-62             |                |   |  |
| Т   | Cable: 5-ft coiled cord<br>Miniconnector  | -418 to 650 (-250 to 343)   | $\pm 2.7^{\circ}$ F ( $\pm 1.5^{\circ}$ C), or $\pm 0.4\%$ of rdg above 32°F (0°C); $\pm 0.8\%$ of rdg below 32°F (0°C)                              | GH-08500-62             |                |   |  |
| Com   | ompact 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)  | $\pm 7.9$ °F ( $\pm 4.4$ °C), or $\pm 0.4$ % of rdg above  | GH-08517-63             |                |   |  |
| K   | Sheath: 8"L x 0.188" dia<br>Handle: 5.5"L   | -418 to 1200 (-250 to 649)  | 32°F (0°C); ±2.0% of rdg below 32°F (0°C)  | GH-08516-63             |                |   |  |
| T   | Cable: 5-ft coiled cord<br>Miniconnector  | -418 to 650 (-250 to 343)   | $\pm 3.6$ °F ( $\pm 2.0$ °C), or $\pm 0.4$ % of rdg above 32°F (0°C); $\pm 0.8$ % 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   | GH-08517-64             |                | 11)10000000                                   |  |
| K   | Sheath: 6"L x 0.188" dia<br>Handle: 5.5"L   | -418 to 1200 (-250 to 649)  | 32°F (0°C); ±2.0% of rdg below 32°F (0°C)  | GH-08516-64             |                | -   |  |
| T   | Cable: 5-ft coiled cord<br>Miniconnector  | -418 to 650 (-250 to 343)   | $\pm 3.6$ °F ( $\pm 2.0$ °C), or $\pm 0.4$ % of rdg above 32°F (0°C); $\pm 0.8$ % 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)  | $\pm 7.9$ °F ( $\pm 4.4$ °C), or $\pm 0.4$ % of rdg above  | GH-08517-61             |                |   |  |
| K   | Sheath: 8"L x 0.188" dia<br>Handle: 5.5"L   | -418 to 1200 (-250 to 649)  | 32°F (0°C); ±2.0% of rdg below 32°F (0°C)  | GH-08516-61             |                | 16  |  |
| Т   | Cable: 5-ft coiled cord<br>Miniconnector  | -418 to 650 (-250 to 343)   | $\pm 3.6$ °F ( $\pm 2.0$ °C), or $\pm 0.4$ % of rdg above 32°F (0°C); $\pm 0.8$ % of rdg below 32°F (0°C)  | GH-08500-61             |                |   |  |
| Fast  | response 304 SS surface pro   | be with Delrin® acetal handle                                     | (exposed). Ideal for small scale stationary app  | lications, including    | electronics.   |   |  |
| K   | Tip: 0.17" dia<br>Sheath: 0.2"L x 0.625" dia<br>Handle: 6"L<br>Cable: 3-ft cord; Miniconnector  | -418 to 752 (-250 to 400)   | $\pm 5.9^{\circ}$ F ( $\pm 3.3^{\circ}$ C), or $\pm 0.4\%$ of rdg above 32°F (0°C); $\pm 2.0\%$ of rdg below 32°F (0°C)                              | GH-08533-96             |                |   |  |
| 304   | ·   | ed tin and Delrin® acetal hand                                    | le (exposed). Durable precision construction of  | l<br>fers high accuracy | and extra-fac  | t response Ideal for industrial applications  |  |
| K   | Tip: 0.625" dia<br>Sheath: 1.75"L x 0.625" dia<br>Handle: 4.75"L<br>Cable: 3-ft FEP; Miniconnector  | -418 to 932 (-250 to 500)   | $\pm 5.9^{\circ}F$ ( $\pm 3.3^{\circ}C$ ), or $\pm 0.4^{\circ}$ of rdg above $32^{\circ}F$ (0°C); $\pm 2.0^{\circ}$ of rdg below $32^{\circ}F$ (0°C) | GH-08447-21             | and oxua rad   | Response. Ideal for industrial applications.  |  |
|   | angle surface probe with PTF<br>E-guarded tip protects the expos  |   | in® acetal handle (exposed). Angled probe all  | ows you to take m       | easurements    | in hard-to-reach or difficult-to-contact area |  |
|   |   | ,   |  |                         |                |   |  |
| K   | Tip: 1.125"L x 0.625" dia"<br>Handle: 5"L<br>Cable: 3-ft coiled cord<br>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             |                | 6-  |  |
| <b>90°-</b><br>Dura   | angle 304 SS surface probes<br>able precision construction offer  | with guarded tip probes and I<br>s high accuracy and extra-fast r | Delrin® acetal handle (exposed). esponse. Ideal for industrial applications.   |                         |                |   |  |
| K   | Tip: 1.125"L x 0.625" dia<br>Sheath: 1.75"<br>Handle: 4.75"L<br>Cable: 3-ft FEP; Miniconnector  | -418 to 932 (-250 to 500)   | $\pm 5.9^{\circ}$ F ( $\pm 3.3^{\circ}$ C), or $\pm 0.4\%$ of rdg above 32°F (0°C); $\pm 2.0\%$ of rdg below 32°F (0°C)                              | GH-08447-41             |                |   |  |
| Kap   | ton® self-adhesive surface pr   | obes (grounded). Designed for                                     | high temperature and long-term durability. Kap   | ton® tape glue is r     | ated up to 400 | D°F (203°C). Pack of 3.                       |  |
| J   | Adhesive tape 1" x 2" Cable: 5-ft insulated wire  | -310 to 675 (-190 to 357)   | ±4.0°F (±2.2°C), or ±0.4% of rdg above<br>32°F (0°C); ±2.0% of rdg below 32°F (0°C)<br>±1.8°F (±1.0°C), or ±0.4% of rdg above                        | GH-08519-50             | ,              |   |  |
| K   |   | -418 to 675 (-250 to 357)   |  | GH-08519-52             |                |   |  |
|   | Miniconnector   | , , ,   |  |                         |                |   |  |
| T   |   | -418 to 675 (-250 to 357)   | 32°F (0°C); ±0.8% of rdg below 32°F (0°C)  | GH-08519-54             |                |   |  |
|   |   |   |  |                         |                |   |  |

<sup>&</sup>lt;sup>††</sup>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).

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



 $<sup>^{\</sup>dagger}$ Overall probe sheath lengths may vary up to  $\pm 0.25$ ".