

## Temperature

### Digi-Sense® Penetration Thermocouple Probes with Miniconnector End

### Easy measurement of soft materials



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 penetration probe, 316 SS with PVC handle (grounded). Ideal for soft and semisoft materials.                                                                                         |                                                                                              |                             |                                                                                  |                             |        |                                                                                       |
| J                                                                                                                                                                                            | Sheath: 2.5"L x 0.125" dia<br>Handle: 1.5"L<br>Cable: 5-ft coiled cord<br>Miniconnector      | -310 to 700 (-190 to 311)   | ±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) | <a href="#">GH-08439-80</a> |        |    |
| K                                                                                                                                                                                            |                                                                                              | -418 to 700 (-250 to 311)   |                                                                                  | <a href="#">GH-08439-82</a> |        |                                                                                       |
| T                                                                                                                                                                                            |                                                                                              | -418 to 700 (-250 to 311)   | ±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) | <a href="#">GH-08439-84</a> |        |                                                                                       |
| Standard penetration probe, 304 SS with ABS handle (grounded). Ideal for soft and semisoft materials.                                                                                        |                                                                                              |                             |                                                                                  |                             |        |                                                                                       |
| J                                                                                                                                                                                            | Sheath: 4"L x 0.156" dia<br>Handle: 5.5"L<br>Cable: 5-ft coiled cord<br>Miniconnector        | -310 to 1200 (-190 to 648)  | ±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) | <a href="#">GH-08517-65</a> |        |    |
| K                                                                                                                                                                                            |                                                                                              | -418 to 1450 (-250 to 787)  |                                                                                  | <a href="#">GH-08516-65</a> |        |                                                                                       |
| T                                                                                                                                                                                            |                                                                                              | -418 to 752 (-250 to 400)   | ±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) | <a href="#">GH-08500-65</a> |        |                                                                                       |
| Extra-long, heavy-duty penetration probe, 316 SS with ABS handle (grounded). Extra length and durability for large samples; ideal for use in soft ground and semi frozen materials.          |                                                                                              |                             |                                                                                  |                             |        |                                                                                       |
| J                                                                                                                                                                                            | Sheath: 12"L x 0.250" dia<br>Handle: 5.5"L<br>Cable: 5-ft coiled cord<br>Miniconnector       | -310 to 1400 (-190 to 760)  | ±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) | <a href="#">GH-93601-22</a> |        |    |
| K                                                                                                                                                                                            |                                                                                              | -418 to 1652 (-250 to 900)  |                                                                                  | <a href="#">GH-93601-24</a> |        |                                                                                       |
| T                                                                                                                                                                                            |                                                                                              | -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) | <a href="#">GH-93601-26</a> |        |                                                                                       |
| J                                                                                                                                                                                            | Sheath: 24"L x 0.250" dia<br>Handle: 5.5"L<br>Cable: 5-ft coiled cord<br>Miniconnector       | -310 to 1400 (-190 to 760)  | ±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) | <a href="#">GH-93601-42</a> |        |    |
| K                                                                                                                                                                                            |                                                                                              | -418 to 1652 (-250 to 900)  |                                                                                  | <a href="#">GH-93601-44</a> |        |                                                                                       |
| T                                                                                                                                                                                            |                                                                                              | -418 to 550 (-250 to 287)   | ±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) | <a href="#">GH-93601-46</a> |        |                                                                                       |
| Small-diameter, hypodermic-tip probe, 316 SS with ABS handle (grounded). Ideal for soft and semisoft materials.                                                                              |                                                                                              |                             |                                                                                  |                             |        |                                                                                       |
| J                                                                                                                                                                                            | Sheath: 4"L x 0.063" dia<br>Handle: 5.5"L<br>Cable: 5-ft coiled cord<br>Miniconnector        | -310 to 1100 (-190 to 593)  | ±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) | <a href="#">GH-93601-02</a> |        |  |
| K                                                                                                                                                                                            |                                                                                              | -418 to 1300 (-250 to 704)  |                                                                                  | <a href="#">GH-93601-04</a> |        |                                                                                       |
| T                                                                                                                                                                                            |                                                                                              | -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) | <a href="#">GH-93601-06</a> |        |                                                                                       |
| Small-diameter, hypodermic-tip probe, 316 SS with miniature stainless steel handle (grounded). Ideal for soft and semisoft materials and food applications.                                  |                                                                                              |                             |                                                                                  |                             |        |                                                                                       |
| J                                                                                                                                                                                            | Sheath: 4"L x 0.063" dia<br>Handle: 1.5"L<br>Cable: 4-ft FEP-insulated<br>Miniconnector      | -310 to 700 (-190 to 371)   | ±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) | <a href="#">GH-08116-65</a> |        |  |
| K                                                                                                                                                                                            |                                                                                              | -418 to 700 (-250 to 371)   |                                                                                  | <a href="#">GH-08117-65</a> |        |                                                                                       |
| T                                                                                                                                                                                            |                                                                                              | -418 to 700 (-250 to 371)   | ±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) | <a href="#">GH-08113-65</a> |        |                                                                                       |
| J                                                                                                                                                                                            | Sheath: 4"L x 0.063" dia<br>Handle: 1.5"L<br>Cable: 4-ft armored<br>Miniconnector            | -310 to 675 (-190 to 357)   | ±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) | <a href="#">GH-93607-20</a> |        |  |
| K                                                                                                                                                                                            |                                                                                              | -418 to 675 (-250 to 357)   |                                                                                  | <a href="#">GH-93607-22</a> |        |                                                                                       |
| T                                                                                                                                                                                            |                                                                                              | -418 to 675 (-250 to 357)   | ±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) | <a href="#">GH-93607-24</a> |        |                                                                                       |
| Small-diameter, hypodermic-tip probe, 316 SS with miniature PTFE-coated handle (grounded). Tip penetrates soft or semisoft materials without disturbing sample. Ideal for food applications. |                                                                                              |                             |                                                                                  |                             |        |                                                                                       |
| J                                                                                                                                                                                            | Sheath: 2.25"L x 0.035" dia<br>Handle: 1.5"L<br>Cable: 2.5-ft FEP insulated<br>Miniconnector | -310 to 600 (-190 to 315)   | ±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) | <a href="#">GH-08505-89</a> |        |  |
| K                                                                                                                                                                                            |                                                                                              | -418 to 600 (-250 to 315)   |                                                                                  | <a href="#">GH-08505-92</a> |        |                                                                                       |
| T                                                                                                                                                                                            |                                                                                              | -418 to 600 (-250 to 315)   | ±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) | <a href="#">GH-08505-93</a> |        |                                                                                       |
| Small-diameter, needle-tip microprobe, 316 SS with miniature stainless steel handle (grounded). Use for liquids, soft materials, and semisolids.                                             |                                                                                              |                             |                                                                                  |                             |        |                                                                                       |
| J                                                                                                                                                                                            | Sheath: 0.75"L x 0.020" dia<br>Handle: 1.5"L<br>Cable: 5-ft FEP insulated<br>Miniconnector   | -310 to 392 (-190 to 200)   | ±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) | <a href="#">GH-08505-97</a> |        |  |
| K                                                                                                                                                                                            |                                                                                              | -418 to 392 (-250 to 200)   |                                                                                  | <a href="#">GH-08505-96</a> |        |                                                                                       |
| T                                                                                                                                                                                            |                                                                                              | -418 to 392 (-250 to 200)   | ±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) | <a href="#">GH-08505-95</a> |        |                                                                                       |
| Heavy-duty penetration probe, 316 SS (grounded). Rugged handle is ideal for use on soft or semisoft materials such as semi frozen meats, liquids, or plastics.                               |                                                                                              |                             |                                                                                  |                             |        |                                                                                       |
| J                                                                                                                                                                                            | Sheath: 6"L x 0.388" dia<br>Handle: 4.75"L<br>Cable: 5-ft coiled cord<br>Miniconnector       | -310 to 1400 (-190 to 760)  | ±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) | <a href="#">GH-08517-67</a> |        |  |
| K                                                                                                                                                                                            |                                                                                              | -418 to 1652 (-250 to 900)  |                                                                                  | <a href="#">GH-08516-67</a> |        |                                                                                       |
| T                                                                                                                                                                                            |                                                                                              | -418 to 550 (-250 to 287)   | ±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) | <a href="#">GH-08500-67</a> |        |                                                                                       |

††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.

## Not Quite Right?

**We can customize it!**