

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

### Easily identify probes



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 light weight design for ease of use along with durability.

| Type                                                                                                                                                                                                                                                                    | Dimensions†                                                                               | Temperature range °F (°C)††                                   | Accuracy                                                                         | Catalog number | Price*      | Photo |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------|----------------|-------------|-------|
| Heavy-duty 316 SS probes with ABS handle (grounded). Use with liquids, gases, and semisolids.                                                                                                                                                                           |                                                                                           |                                                               |                                                                                  |                |             |       |
| J                                                                                                                                                                                                                                                                       | Sheath: 12"L x 0.25" dia                                                                  | –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) | GH-93756-03    |             |       |
| K                                                                                                                                                                                                                                                                       | Tip: 0.125" dia<br>Handle: 5.5"L                                                          | –418 to 1650 (–250 to 899)                                    |                                                                                  | GH-93756-23    |             |       |
| T                                                                                                                                                                                                                                                                       | Cable: 5-ft coiled cord<br>Miniconnector                                                  | –418 to 752 (–250 to 400)                                     |                                                                                  | GH-93756-63    |             |       |
| J                                                                                                                                                                                                                                                                       | Sheath: 24"L x 0.25" dia                                                                  | –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) | GH-93756-04    |             |       |
| K                                                                                                                                                                                                                                                                       | Tip: 0.125" dia<br>Handle: 5.5"L                                                          | –418 to 1650 (–250 to 899)                                    |                                                                                  | GH-93756-24    |             |       |
| T                                                                                                                                                                                                                                                                       | Cable: 5-ft coiled cord<br>Miniconnector                                                  | –418 to 752 (–250 to 400)                                     |                                                                                  | GH-93756-44    |             |       |
| J                                                                                                                                                                                                                                                                       | Tip: 0.125" dia                                                                           | –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) | GH-93756-06    |             |       |
| K                                                                                                                                                                                                                                                                       | Sheath: 36"L x 0.25" dia<br>Handle: 5.5"L                                                 | –418 to 1650 (–250 to 899)                                    |                                                                                  | GH-93756-26    |             |       |
| T                                                                                                                                                                                                                                                                       | Cable: 5-ft coiled cord<br>Miniconnector                                                  | –418 to 752 (–250 to 400)                                     |                                                                                  | GH-93756-46    |             |       |
| Heavy-duty, Inconel 600® probes with miniature SS handle (grounded). Use for industrial furnaces with tongs or insulated gloves. Ideal for long-term, high-temperature applications.                                                                                    |                                                                                           |                                                               |                                                                                  |                |             |       |
| J                                                                                                                                                                                                                                                                       | Sheath: 36"L x 0.125" dia<br>Handle: 5.5"L<br>Cable: 3-ft 304 SS armored<br>Miniconnector | –310 to 1400 (–190 to 760)                                    | ±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-08517-80    |             |       |
| K                                                                                                                                                                                                                                                                       |                                                                                           | –418 to 1700 (–250 to 927)                                    |                                                                                  | GH-08516-80    |             |       |
| T                                                                                                                                                                                                                                                                       |                                                                                           | –418 to 752 (–250 to 400)                                     | ±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-08500-80    |             |       |
| High-temperature type R and S Inconel 600® probes with miniature SS handle (ungrounded). Use for high temperature applications. Type R or type S are more accurate and stable at high temperatures than other thermocouples.                                            |                                                                                           |                                                               |                                                                                  |                |             |       |
| R                                                                                                                                                                                                                                                                       | Sheath: 12"L x 0.125" dia<br>Handle: 1.5"L                                                | 600 to 2100 (316 to 1149);<br>Intermittent use to 2500 (1371) | ±3°F (±1.7°C), or ±0.4% of rdg above 32°F (0°C)                                  | GH-93838-12    |             |       |
| S                                                                                                                                                                                                                                                                       | Cable: 3-ft PVC-insulated<br>Miniconnector                                                |                                                               |                                                                                  | GH-93839-12    |             |       |
| Pipe-fitting Inconel 600® probes with miniature stainless steel handle (grounded). Use for pressurized chambers and pipelines. Adjust immersion depth using compression fitting. Withstand pressure to 2000 psi at 1000°F (538°C), stainless steel compression fitting. |                                                                                           |                                                               |                                                                                  |                |             |       |
| J                                                                                                                                                                                                                                                                       | Sheath: 4"L x 0.188" dia (total length 5.25")                                             | –310 to 1600 (–190 to 871)                                    | ±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-08517-71    |             |       |
| K                                                                                                                                                                                                                                                                       | Handle: 1.5"L                                                                             | –418 to 2012 (–250 to 1100)                                   |                                                                                  |                | GH-08516-71 |       |
| T                                                                                                                                                                                                                                                                       | Cable: 6-ft., 24 gauge insulated<br>Miniconnector                                         | –418 to 750 (–250 to 399)                                     | ±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-08500-71    |             |       |
| J                                                                                                                                                                                                                                                                       | Sheath: 12"L x 0.188" dia (total length 13.25")                                           | –310 to 1600 (–190 to 871)                                    | ±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-08517-70    |             |       |
| K                                                                                                                                                                                                                                                                       | Handle: 1.5"L                                                                             | –418 to 2012 (–250 to 1100)                                   |                                                                                  |                | GH-08516-70 |       |
| T                                                                                                                                                                                                                                                                       | Cable: 6-ft, 24 gauge insulated<br>Miniconnector                                          | –418 to 750 (–250 to 399)                                     | ±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-08500-70    |             |       |
| Pipe-plug 304 SS probes with ¼" NPT(M) (grounded). Use wherever space is limited; sheath extends 0.5" past the end of the pipe plug for fast response. Withstand pressure to 2000 psi at ambient temperatures.                                                          |                                                                                           |                                                               |                                                                                  |                |             |       |
| J                                                                                                                                                                                                                                                                       | Sheath: 0.5"L x 0.25" dia                                                                 | –310 to 900 (–190 to 482)                                     | ±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-08517-74    |             |       |
| K                                                                                                                                                                                                                                                                       | Cable: 5-ft, 24 gauge insulated                                                           | –418 to 900 (–250 to 482)                                     |                                                                                  |                | GH-08516-74 |       |
| T                                                                                                                                                                                                                                                                       | Miniconnector                                                                             | –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) | GH-08500-74    |             |       |
| Pipe-plug 304 SS probes with ¼" NPT(M) (ungrounded). Use wherever space is limited. Probe is flush with bottom of fitting for fast response. Withstand pressure to 1000 psi at ambient temperatures.                                                                    |                                                                                           |                                                               |                                                                                  |                |             |       |
| J                                                                                                                                                                                                                                                                       | Probe inside ¼" NPT                                                                       | –310 to 900 (–190 to 482)                                     | ±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-08517-73    |             |       |
| K                                                                                                                                                                                                                                                                       | Cable: 5-ft, 24 gauge insulated                                                           | –418 to 900 (–250 to 482)                                     |                                                                                  |                | GH-08516-73 |       |
| T                                                                                                                                                                                                                                                                       | Miniconnector                                                                             | –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) | GH-08500-73    |             |       |
| Flow-through 316 SS probes (grounded); connect to ¼" OD tubing systems. Use with clean fluids at flow rates up to 50 LPM; withstand pressure to 250 psi. Includes brass union tee.                                                                                      |                                                                                           |                                                               |                                                                                  |                |             |       |
| K                                                                                                                                                                                                                                                                       | Sheath: 3.375"L<br>Head: 2"L<br>Miniconnector                                             | –418 to 450 (–250 to 232)                                     | ±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-93835-02    |             |       |

††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.