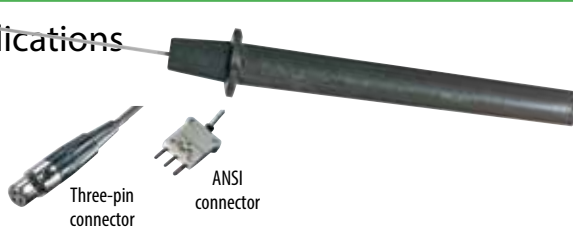


General-Purpose RTD Probes with Handles

Wide range of probes for industrial and lab applications

If you don't see the probe you need, we can make it! Maximum error for probe assembly is $\pm 1.1^\circ\text{C} \pm 0.12\%$ of reading. Alpha coefficient is $0.003850 \Omega/\Omega/^\circ\text{C}$ (DIN IEC 751). Resistance at ice point (0°C) is 100Ω .

Note: Each probe has a characteristic time constant; five time constants are needed to reach 99% of final reading. Temperature range is for the probe only. Probes with plastic handle have a max temp of 275°F (135°C).



| With 3-pin connector | | With ANSI connector | | Description | Dimensions | Photo |
|--|--------------------------------------|---------------------|--|---|---|-------|
| Cat. No. | | Cat. No. | | | | |
| Integral handle probes with 316 SS sheath and 5.5" L glass-filled nylon handle (handle shown at far right). | | | | | | |
| TS-08127-70 | | TS-93841-70 | | General-purpose immersion probe Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 5-ft coiled cable | 10" L 0.188" dia 10" or 18" | |
| TS-08127-72 | | TS-93841-71 | | | 18" L | |
| TS-08127-73 | | TS-93841-73 | | Bendable immersion probe Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 5-ft coiled cable | 10" L 0.125" dia | |
| TS-08127-74 | | TS-93841-74 | | | 18" L | |
| TS-08127-87 | | TS-93841-87 | | FEP-coated general-purpose probe Range: -58 to 500°F (-50 to 260°C) Time constant: 15 seconds Cable: 5-ft coiled cable | 10" L 0.145" dia | |
| TS-08127-75 | | TS-93841-75 | | Surface probe Range: -58 to 932°F (-50 to 500°C) Time constant: 24 seconds Cable: 5-ft coiled cable | 1.6" x 6.5" 0.250" dia | |
| TS-08127-80 | | TS-93841-80 | | Needle probe Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 5-ft coiled cable | 2" L 0.093" dia | |
| TS-08127-85 | | TS-93841-85 | | Penetration probe Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 5-ft coiled cable | 4" L 0.188" dia | |
| TS-08127-90 | | TS-93841-90 | | Air/gas probe Range: -58 to 932°F (-50 to 500°C) Time constant: 4 seconds Cable: 5-ft coiled cable | 10" L 0.250" dia x 0.188" dia | |
| Low-cost probes with 304 SS sheath and 1.25" L x 0.75" dia glass-filled nylon handle (handle shown at far right). | | | | | | |
| TS-93831-00 | | TS-93841-00 | | General-purpose probe Range: -58 to 932°F (-50 to 500°C) Time constant: 8 seconds Cable: 5-ft coiled cable | 4.5" x 1.25" 0.125" dia x 0.75" dia | |
| TS-93831-06 | | TS-93841-06 | | PFA-insulated probe Range: -58 to 500°F (-50 to 260°C) Time constant: 15 seconds Cable: 5-ft coiled cable | 4.5" x 1.25" 0.145" dia x 0.75" dia | |
| TS-93831-10 | | TS-93841-10 | | Penetration tip probe; features sharp, pointed tip Range: -58 to 932°F (-50 to 500°C) Time constant: 8 seconds Cable: 5-ft coiled cable | 2.50" x 1.25" 0.125" dia x 0.75" dia | |
| TS-93831-15 | | TS-93841-15 | | Surface probe; features ceramic tip Range: -58 to 932°F (-50 to 500°C) Time constant: 24 seconds Cable: 5-ft coiled cable | 1.4" x 4" 0.250" dia | |
| TS-93831-20 | | TS-93841-20 | | Air/gas probe; Range: -58 to 932°F (-50 to 500°C) Time constant: 45 seconds (5 m/sec airflow) Cable: 5-ft coiled 304 SS cable | 4.50" x 1.25" 0.188" x 0.375" x 0.125" dia x 0.75" dia | |
| Special-purpose probes with 316 SS sheath and without handle—ideal for long-term applications. | | | | | | |
| TS-08127-96 | | TS-93841-96 | | Compact probe; ideal for use in ovens Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 5-ft, 304 SS braid over fiberglass | 1.5" L 0.188" dia | |
| TS-08127-97 | | TS-93841-97 | | Bendable sheath probes Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 3-ft, 316 SS braid over fiberglass | 9" L 0.125" dia | |
| TS-08127-98 | | TS-93841-98 | | | 12" L | |
| TS-08127-99 | | TS-93841-99 | | | 18" L 5, 8, or 14" bend area | |
| MC-08117-89 | | MC-93831-89 | | Alligator clip probe Range: -58 to 932°F (-50 to 500°C) Time constant: 24 seconds Cable: 10-ft, 304 SS braid over fiberglass | 1.39" L 0.38" dia | |
| Accessories | | | | | | |
| TS-17011-04 | NIST-traceable calibration with data | | | | | |