

Digi-SENSE® RTD Probes

Choose from a wide variety of styles

If you don't see the probe you need, we can make it. See page 2041 for custom probe ordering information. Maximum error for probe assembly is $\pm 1.1\% + 0.12\%$ 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.

Digi-Sense
three-pin
connector

ANSI
connector

Description	With 3-pin connector		With ANSI connector		Dimensions	Photo
	C at. no.	Price	Cat. no.	Price		
Integral handle probes with 316 SS sheath and 5.5"L glass-filled nylon handle (handle shown at far right).						
General-purpose immersion probe Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 5-ft coiled cable	10"L	K-08117-70		K-93831-70		
	18"L	K-08117-72		K-93831-71		
Bendable immersion probe Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 5-ft coiled cable	10"L	K-08117-73		K-93831-73		
	18"L	K-08117-74		K-93831-74		
FEP-coated general-purpose probe Range: -58 to 500°F (-50 to 260°C) Time constant: 15 seconds Cable: 5-ft coiled cable		K-08117-87		K-93831-87		
Surface probe Range: -58 to 932°F (-50 to 500°C) Time constant: 24 seconds Cable: 5-ft coiled cable		K-08117-75		K-93831-75		
Needle probe Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 5-ft coiled cable		K-08117-80		K-93831-80		
Penetration probe Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 5-ft coiled cable		K-08117-85		K-93831-85		
Air/gas probe Range: -58 to 932°F (-50 to 500°C) Time constant: 4 seconds Cable: 5-ft coiled cable		K-08117-90		K-93831-90		
Low-cost probes with 304 SS sheath and 1.25"L x 0.75" dia glass-filled nylon handle (handle shown at far right).						
General-purpose probe Range: -58 to 932°F (-50 to 500°C) Time constant: 8 seconds Cable: 5-ft coiled cable		K-93821-00		K-93831-00		
		K-93821-06		K-93831-06		
PFA-insulated probe Range: -58 to 500°F (-50 to 260°C) Time constant: 15 seconds Cable: 5-ft coiled cable		K-93821-06		K-93831-06		
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		K-93821-10		K-93831-10		
Surface probe; features ceramic tip Range: -58 to 932°F (-50 to 500°C) Time constant: 24 seconds Cable: 5-ft coiled cable		K-93821-15		K-93831-15		
Air/gas probe; tip protected by Range: -58 to 932°F (-50 to 500°C) Time constant: 45 seconds (5 m/sec airflow) Cable: 5-ft coiled cable		K-93821-20		K-93831-20		
Special-purpose probes with 316 SS sheath and without handle—ideal for long-term applications.						
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		K-08117-96		K-93831-96		
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	K-08117-97		K-93831-97		
	12"L	K-08117-98		K-93831-98		
	18"L	K-08117-99		K-93831-99		
Alligator clip probe Range: -58 to 932°F (-50 to 500°C) Time constant: 24 seconds Cable: 10-ft, 304 SS braid over fiberglass		K-08117-89		K-93831-89		