

Digi-Sense® RTD Probes

No need to settle—we'll customize for you



Choose from a variety of general purpose, sharp penetration tip, hypodermic-tip, or air/gas RTD probes. Probes with handles feature a strain relief spring that protects the cable connection against damage due to repeated flexing and tugging. Acrylonitrile butadiene styrene (ABS) handles provide a light weight design for ease of use along with durability. Maximum error for probe 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 $100\ \Omega$.

Description	Dimensions†	Temperature range in °F (°C)††	With 3-pin connector		With ANSI connector		Photo
			Cat. no.	Price*	Cat. no.	Price*	
316 stainless steel RTD probes with ABS handle, 100Ω RTD probes for general-purpose use. Use with liquids, gases and semisolids.							
General-purpose immersion probe	Sheath: 10"L x 0.188" dia Handle: 5.5"L Cable: 5-ft coiled cord	-58 to 932 (-50 to 500)	GH-08117-70		GH-93831-70		
	GH-08117-72			GH-93831-71			
Bendable immersable probe	Sheath: 10"L x 0.125" dia Handle: 5.5"L; Cable: 5-ft coiled cord Bendable area: 6" (1" from base)	-58 to 932 (-50 to 500)	GH-08117-73		GH-93831-73		
	Sheath: 18"L x 0.125" dia Handle: 5.5"L; Cable: 5-ft coiled cord Bendable area: 14" (1" from base)		GH-08117-74		GH-93831-74		
PFA-coated general purpose probe	Sheath: 10"L x 0.145" dia Handle: 5.5"L Cable: 5-ft coiled cord	-58 to 400 (-50 to 204)	GH-08117-87		GH-93831-87		
Surface probe	Tip: 1.5"L x 0.250" dia Sheath: 6.5"L x 0.188" dia (total length 8") Handle: 5.5"L; Cable: 5-ft coiled cord	-58 to 932 (-50 to 500)	GH-08117-75		GH-93831-75		
Hypodermic Needle probe	Sheath: 2"L x 0.093" dia Handle: 5.5"L Cable: 5-ft coiled cord	-58 to 700 (-50 to 311)	GH-08117-80		GH-93831-80		
Penetration probe	Sheath: 4"L x 0.188" dia Handle: 5.5"L Cable: 5-ft coiled cord	-58 to 900 (-50 to 482)	GH-08117-85		GH-93831-85		
Air/gas probe	Tip: 1.25"L x 0.250" dia Sheath: 8.75"L x 0.188" dia (total length 10"); Handle: 5.5"L; Cable: 5-ft coiled cord	-58 to 932 (-50 to 500)	GH-08117-90		GH-93831-90		
Compact 316 stainless steel RTD probe with PVC handle, 100Ω RTD probes for general-purpose use. Use with liquids, gases and semisolids.							
General-purpose probe	Sheath: 4.5"L x 0.125" dia Handle: 1.25"L Cable: 5-ft coiled cord	-58 to 750 (-50 to 398)	GH-93821-00		GH-93831-00		
PFA-insulated probe	Sheath: 4.5"L x 0.145" dia Handle: 1.25"L Cable: 5-ft coiled cord	-58 to 400 (-50 to 204)	GH-93821-06		GH-93831-06		
Penetration probe	Sheath: 2.5"L x 0.125" dia Handle: 1.25"L Cable: 5-ft coiled cord	-58 to 750 (-50 to 398)	GH-93821-10		GH-93831-10		
Surface probe	Tip: 1.5"L x 0.250" dia Sheath: 4"L x 0.188" dia (total length 5.5") Handle: 1.25"L; Cable: 5-ft coiled cord	-58 to 900 (-50 to 482)	GH-93821-15		GH-93831-15		
Air/gas probe	Tip: 0.5"L x 0.188" dia Sheath: 4.5"L x 0.125" dia (total length 5") Handle: 1.25"L; Cable: 5-ft coiled cord	-58 to 900 (-50 to 482)	GH-93821-20		GH-93831-20		
Special-purpose RTD probes, 100Ω RTD probes Ideal for long-term applications or unique environments.							
Bendable sheath probes with miniature stainless steel handle	Sheath: 9"L x 0.125" dia; Handle: 1.5"L Cable: 3-ft, 316 SS braid over fiberglass Bendable area: 5" (1" from base)	-58 to 932 (-50 to 500)	GH-08117-97		GH-93831-97		
	Sheath: 12"L x 0.125" dia; Handle: 1.5"L Cable: 3-ft, 316 SS braid over fiberglass Bendable area: 8" (1" from base)		GH-08117-98		GH-93831-98		
	Sheath: 18"L x 0.125" dia; Handle: 1.5"L Cable: 3-ft, 316 SS braid over fiberglass Bendable area: 14" (1" from base)		GH-08117-99		GH-93831-99		
High temperature probe, three-wire element	Sheath: 1.5"L x 0.188" dia, Cable: 5-ft 304 SS braid over fiberglass	-58 to 900 (-50 to 482)	GH-08117-96		GH-93831-96		
High temperature probe, three-wire element	Sheath: 1.5"L x 0.188" dia, Cable: 4-ft 304 SS braid over fiberglass with stripped ends	-58 to 900 (-50 to 482)	—	—	GH-93822-00		
Bolt-on RTD probe, three-wire element	Screw mount: 1"L x 0.812" W Sheath: Aluminum; Cable: 5-ft FEP insulation wire with stripped ends	-58 to 400 (-50 to 204)	—	—	GH-93822-50		

††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 $\pm 0.25"$.

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