

## 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 ( $0^\circ\text{C}$ ) is  $100 \Omega$ . **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		
<b>Integral handle probes</b> with 316 SS sheath and 5.5"L glass-filled nylon handle (handle shown at far right).						
<b>General-purpose immersion probe</b> Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 5-ft coiled cable	10"L	<a href="#">K-08117-70</a>		<a href="#">K-93831-70</a>		
	18"L	<a href="#">K-08117-72</a>		<a href="#">K-93831-71</a>		
<b>Bendable immersion probe</b> Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 5-ft coiled cable	10"L	<a href="#">K-08117-73</a>		<a href="#">K-93831-73</a>		
	18"L	<a href="#">K-08117-74</a>		<a href="#">K-93831-74</a>		
<b>FEP-coated general-purpose probe</b> Range: -58 to 500°F (-50 to 260°C) Time constant: 15 seconds Cable: 5-ft coiled cable		<a href="#">K-08117-87</a>		<a href="#">K-93831-87</a>		
<b>Surface probe</b> Range: -58 to 932°F (-50 to 500°C) Time constant: 24 seconds Cable: 5-ft coiled cable		<a href="#">K-08117-75</a>		<a href="#">K-93831-75</a>		
<b>Needle probe</b> Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 5-ft coiled cable		<a href="#">K-08117-80</a>		<a href="#">K-93831-80</a>		
<b>Penetration probe</b> Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 5-ft coiled cable		<a href="#">K-08117-85</a>		<a href="#">K-93831-85</a>		
<b>Air/gas probe</b> Range: -58 to 932°F (-50 to 500°C) Time constant: 4 seconds Cable: 5-ft coiled cable		<a href="#">K-08117-90</a>		<a href="#">K-93831-90</a>		
<b>Low-cost probes</b> with 304 SS sheath and 1.25"L x 0.75" dia glass-filled nylon handle (handle shown at far right).						
<b>General-purpose probe</b> Range: -58 to 932°F (-50 to 500°C) Time constant: 8 seconds Cable: 5-ft coiled cable		<a href="#">K-93821-00</a>		<a href="#">K-93831-00</a>		
<b>PFA-insulated probe</b> Range: -58 to 500°F (-50 to 260°C) Time constant: 15 seconds Cable: 5-ft coiled cable		<a href="#">K-93821-06</a>		<a href="#">K-93831-06</a>		
<b>Penetration tip probe; features sharp, pointed tip</b> Range: -58 to 932°F (-50 to 500°C) Time constant: 8 seconds Cable: 5-ft coiled cable		<a href="#">K-93821-10</a>		<a href="#">K-93831-10</a>		
<b>Surface probe; features ceramic tip</b> Range: -58 to 932°F (-50 to 500°C) Time constant: 24 seconds Cable: 5-ft coiled cable		<a href="#">K-93821-15</a>		<a href="#">K-93831-15</a>		
<b>Air/gas probe; tip protected by</b> Range: -58 to 932°F (-50 to 500°C) Time constant: 45 seconds (5 m/sec airflow) Cable: 5-ft coiled cable		<a href="#">K-93821-20</a>		<a href="#">K-93831-20</a>		
<b>Special-purpose probes</b> with 316 SS sheath and without handle—ideal for long-term applications.						
<b>Compact probe; ideal for use in ovens</b> Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 5-ft, 304 SS braid over fiberglass		<a href="#">K-08117-96</a>		<a href="#">K-93831-96</a>		
<b>Bendable sheath probes</b> Range: -58 to 932°F (-50 to 500°C) Time constant: 10 seconds Cable: 3-ft, 316 SS braid over fiberglass	9"L	<a href="#">K-08117-97</a>		<a href="#">K-93831-97</a>		
	12"L	<a href="#">K-08117-98</a>		<a href="#">K-93831-98</a>		
	18"L	<a href="#">K-08117-99</a>		<a href="#">K-93831-99</a>		
<b>Alligator clip probe</b> Range: -58 to 932°F (-50 to 500°C) Time constant: 24 seconds Cable: 10-ft, 304 SS braid over fiberglass		<a href="#">K-08117-89</a>		<a href="#">K-93831-89</a>		