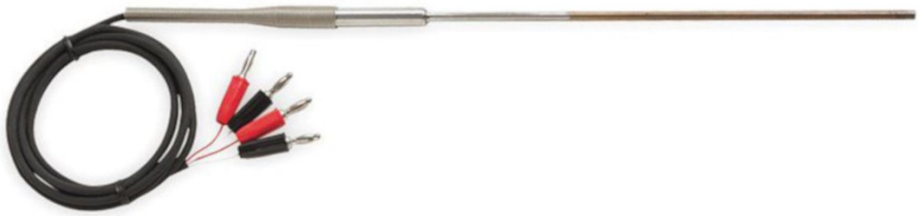
TECHNICAL DATA

Fluke 884X-RTD 100 Ohm RTD Temperature Probe



Key features

- Manufactured using a coil suspension element design for increased shock and vibration resistance, Mineral-insulated sheath with a minimum bend radius of 19 mm (3/4 in) for flexibility and durability

Specifications: Fluke 884X-RTD 100 Ohm RTD Temperature Probe

Specifications	
Resistance	Nominal 100 Ω
Temperature coefficient	0.00385 Ω/Ω °C nominal
Temperature range	-200 C to 300 °C (transition and cable temperature: 0 °C to 25% °C)
Drift rate	+ 0.13 °C at 0 °C after 1000 hours at 300 °C
Sheath Material	316 stainless steel
Leads	PTFE-insulated, nickel-plated stranded copper, 22 AWG
Termination	4-wire banana
Time constant	Four seconds maximum for 63.2% response to step change in water moving at 3 fps
Bending radius	19 mm (3/4 in) except for 50 mm (2 in) area of sheath near tip
Calibration	Includes manufacturer's NIST-traceable calibration and table with R vs. T values in 1 °C increments from -196 °C to 300 °C. Callendar-van Dusen coefficients included

Immersion	At least 100 mm (4 in) recommended
Accuracy (includes calibration uncertainty and short-term stability)	±0.50 °C at -196 °C ±0.050 °C at 0 °C ±0.052 °C at 200 °C ±0.055 °C at 300 °C
Size	9 in L x 3/16 in diameter
Marking	Each RTD is marked with the Fluke name and part number

Ordering information

884X-RTD

100 Ohm RTD Temperature Probe

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