

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	
<b>Resistance</b>	Nominal 100 $\Omega$
<b>Temperature coefficient</b>	0.00385 $\Omega/\Omega$ °C nominal
<b>Temperature range</b>	-200 C to 300 °C (transition and cable temperature: 0 °C to 25% °C)
<b>Drift rate</b>	+ 0.13 °C at 0 °C after 1000 hours at 300 °C
<b>Sheath Material</b>	316 stainless steel
<b>Leads</b>	PTFE-insulated, nickel-plated stranded copper, 22 AWG
<b>Termination</b>	4-wire banana
<b>Time constant</b>	Four seconds maximum for 63.2% response to step change in water moving at 3 fps
<b>Bending radius</b>	19 mm (3/4 in) except for 50 mm (2 in) area of sheath near tip
<b>Calibration</b>	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

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

## Ordering information



### **884X-RTD**

100 Ohm RTD Temperature Probe

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**Fluke Corporation**

PO Box 9090, Everett, WA 98206 U.S.A.

**For more information call:**

In the U.S.A. (800) 443-5853

In Europe/M-East/Africa

+31 (0)40 267 5100

In Canada (800)-36-FLUKE

From other countries +1 (425) 446-5500

**BUT. FLUKE SOUTH EAST ASIA PTE LTD**

Menera Satu Sentra Kelapa Gading #06-05

Jl. Bulevar Kelapa Gading Kav. LA# No. 1

Summarecon Kelapa Gading

Jakarta Utara 14240

Indonesia

Tel: +62 21 2938 5922

Email: info.asean@fluke.com

www.fluke.com/id-en

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