

Stable, reliable and highly repeatable measurements across a wide temperature range.

## Thermo Scientific Temp 16

### Single-Input Precision RTD Thermometer



The Thermo Scientific Temp 16 RTD Thermometer gives you fast, reliable and highly precise measurements across a wide temperature range. Rugged and easy to use, the Temp 16 features a large backlit dual-line LCD, giving you clear, accurate readings of measured and min/max temperature, even in dark environments.

#### User-Friendly

- Automatic calibration – just leave electrode in ice water and press 'CAL' to calibrate
- Dual-display shows current and min/max readings at the press of a button
- Large, easy-to-read illuminated display

#### Versatile

- High precision measurements from -200.0 to 850.0 °C (-392.0 to 1562 °F)
- Accepts a wide variety of RTD probes
- Exclusive three-way hands-free option\* – hang the meter from a pipe or belt, stick the meter to a metallic surface, or simply stand the meter on a table surface

#### Sturdy Design

- IP54 splashproof with sealed keypad and ABS plastic housing
- Protective rubber armor ensures a firm grip and doubles up as a table-top stand

#### Markets

- Chemicals
- Manufacturing
- Food and Beverage
- Industrial and Automotive

\* Kit sold separately

## Thermo Scientific Temp 16 Single-Input Precision RTD Thermometer Specifications

<b>Range</b>	-200.0 °C to 850.0 °C (-392 °F to 1562 °F)
<b>Resolution</b>	-200.0 °C to 850.0 °C: 0.1 °C -392.0 °F to 999.9 °F: 0.1 °F 1000 °F to 1562 °F: 1 °F
<b>Accuracy</b>	-200.0 °C to -100.0 °C (-392 °F to -148 °F): ±2.0 °C (±4.0 °F) -99.9 °C to 199.9 °C (-148 °F to 392 °F): ±0.2 °C (±0.4 °F) 200.0 °C to 850.0 °C (392 °F to 1562 °F): ±2.0 °C (±4.0 °F)
<b>LCD</b>	58 x 40 mm with backlight
<b>Min/Max Reading</b>	Yes
<b>Auto Shut-Off</b>	17.5 min (selectable)
<b>Hold Function</b>	Yes
<b>Stability Indicator</b>	Yes
<b>Input</b>	Single (3-pin circular connector (switchcraft TA3F))
<b>Power Requirements</b>	3 'AA' 1.5 V alkaline; >750 hours (without backlight)
<b>Storage</b>	-40 °C to 65 °C (-40 °F to 149 °F); 10 % to 90 % (non-condensing)
<b>Dimensions &amp; Weight</b>	175 x 97 x 42 mm (LxWxT), 267 g (without armor) 180 x 102 x 52 mm (LxWxT), 362 g (with armor)
<b>Ingress Protection (With Probe Attached)</b>	IEC-529 IP54 for dust and water-resistant enclosures
<b>CE Compliance</b>	EN61326-1/A1: 1998 (EU EMC Directive)

### Ordering Guide

Order Code	Part Number	Description
<b>Meter</b>		
TSTEMP16-RTD	01X491704	Thermo Scientific single-input precision RTD thermometer with rubber armor/stand (probe not included)
<b>Accessory</b>		
HNDSFRKIT	01X460701	Hands-free kit for Thermo Scientific thermometers (2 magnets and a strap)
<b>Replacement Part</b>		
ARMORTEMP	01X460601	Rubber armor/stand for Thermo Scientific thermometers
<b>RTD Probes</b>		
ECPT56L	93X375701	RTD Pt 100 probe. Shaft length: 200 mm; round-tip sensor: 3 mm diameter; -50 to 400 °C (for liquid measurement); cable length: 1.5 m
ECPT56C	93X375702	RTD Pt 100 probe. Shaft length: 200 mm; round-tip sensor: 5 mm diameter; -50 to 400 °C (for contact measurement); cable length: 1.5 m
ECPT56P	93X375703	RTD Pt 100 probe. Shaft length: 500 mm; penetration sharp sensor: 4 mm diameter; -50 to 400 °C (for semi-solid measurement); cable length: 1.5 m
ECPT56A	93X375704	RTD Pt 100 probe. Shaft length: 200 mm; sensor tip: 4 mm diameter; -50 to 250 °C (for air measurement); cable length: 1.5 m
ECPT56L 1/8 DIN	93X375705	RTD Pt 100 probe. Shaft length: 200 mm; round-tip sensor: 3 mm diameter; -50 to 400 °C; cable length: 1.5 m
ECPT56 TFE	93X375706	RTD Pt 100 probe. Shaft length: 100 mm; round-tip sensor: 4 mm diameter; -50 to 200 °C; cable length: 1.5 m
ECPT56/500	93X375707	RTD Pt 100 probe. Shaft length: 500 mm; round-tip sensor: 6 mm diameter; -50 to 400 °C; cable length: 1.5 m
ECPT56/1000	93X375708	RTD Pt 100 probe. Shaft length: 1000 mm; round-tip sensor: 6 mm diameter; -50 to 400 °C; cable length: 1.5 m
ECTEM6TEM01R	01X021814	3-wire RTD Pt 100 temperature probe

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