

Available in three models –  
J, K or T – for your basic  
temperature measurement needs.



Product Specifications

## Thermo Scientific Temp 10 Series

Single-Input Thermocouple Thermometers



Rugged and easy to use, the Thermo Scientific Temp 10 Series features a large, backlit dual-line LCD, giving you clear, accurate readings of measured and min/max temperature, even in dark environments. Ergonomically designed to fit your palm perfectly, the Temp 10 series offers maximum hands-free convenience with our exclusive three-way hands-free kit\*.

### User-Friendly

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

### Versatile

- Measures from -250 to 1372 °C
- Accepts a wide variety of temperature probes using standard mini-connector
- 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 10 Series Single-Input Thermocouple Thermometers Specifications

<b>Range</b>	Temp 10 J meter: -210 °C to 1200 °C (-346 °F to 2192 °F) Temp 10 K meter: -250 °C to 1372 °C (-418 °F to 2501 °F) Temp 10 T meter: -250 °C to 400 °C (-418 °F to 752 °F)
<b>Resolution</b>	Below 1000 °: 0.1 °C/°F ; above 1000 °: 1 °C/°F
<b>Accuracy</b>	Above -150 °C: ±0.1 % of reading ±0.4 °C ; Below -150 °C: ±0.25 % of reading ±1 °C
<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
<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</b>	IEC-529 IP54 for dust and water-resistant enclosures

### Ordering Guide

Order Code	Part Number	Description
<b>Meter</b>		
TSTEMP10J	01X450405	Thermo Scientific type J thermocouple thermometer with rubber armor/stand (probe not included)
TSTEMP10K	01X450408	Thermo Scientific type K thermocouple thermometer with rubber armor/stand (probe not included)
TSTEMP10T	01X450411	Thermo Scientific type T thermocouple thermometer with rubber armor/stand (probe not included)
<b>Accessories</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>Thermocouple Type J Probes</b>		
ECTPLPJ01M	01X220001	Type J thermocouple probe. Shaft length: 200 mm; sensor tip: 3 mm diameter; -70 to 700 °C (for liquid measurement); cable length: 1 m
ECTPENJ01M	01X220002	Type J thermocouple probe. Shaft length: 120 mm; penetration-tip sensor: 3.2 mm diameter; -50 to 700 °C (for semi-solid measurement); cable length: 1 m
<b>Thermocouple Type K Probes</b>		
EC3K220	93X375601	Type K thermocouple probe. Shaft length: 200 mm; round-tip sensor: 2 mm diameter; -50 to 700 °C (for liquid/air measurement); cable length: 1.5 m
EC3K320	93X375602	Type K thermocouple probe. Shaft length: 200 mm; round-tip sensor: 3.2 mm diameter; -50 to 700 °C (for liquid/air measurement); cable length: 1.5 m
EC3K350	93X375603	Type K thermocouple probe. Shaft length: 500 mm; round-tip sensor: 3.2 mm diameter; -50 to 700 °C (for liquid/air measurement); cable length: 1.5 m
EC3K6100	93X375604	Type K thermocouple probe. Shaft length: 1000 mm; round-tip sensor: 6 mm diameter; -50 to 1000 °C (for liquid/air measurement); cable length: 1.5 m
EC3K650	93X375605	Type K thermocouple probe. Shaft length: 500 mm; round-tip sensor: 6 mm diameter; -60 to 1100 °C (for liquid/air measurement); cable length: 1.5 m
EC3K520C	93X375606	Type K thermocouple probe. Shaft length: 200 mm; flat-tip sensor: 5 mm diameter; -60 to 600 °C (for surface contact measurement); cable length: 1.5 m
EC3K1200	93X375607	Type K thermocouple probe. Shaft length: 2000 mm; exposed junction type; -50 to 400 °C; cable length: 1.5 m
<b>Thermocouple Type T Probes</b>		
EC3T320	93X375608	Type T thermocouple probe. Shaft length: 200 mm; round-tip sensor: 3.2 mm diameter; -50 to 350 °C (for liquid measurement); cable length: 1.5 m
EC3T415	93X375609	Type T thermocouple probe. Shaft length: 200 mm; penetration sharp-tip sensor: 4 mm diameter; -50 to 350 °C (for semi-solid measurement); cable length: 1.5 m
EC3T215	93X375610	Type T thermocouple probe. Shaft length: 150 mm; penetration sharp-tip sensor: 2 mm diameter; -50 to 350 °C (for semi-solid measurement); cable length: 1.5 m
EC3T520C	93X375611	Type T thermocouple probe. Shaft length: 200 mm; flat-tip sensor: 5 mm diameter; -50 to 350 °C (for surface contact measurement); cable length: 1.5 m
EC3T420A	93X375612	Type T thermocouple probe. Shaft length: 200 mm; sensor tip: 4 mm diameter (for air measurement); -50 to 250 °C; cable length: 1.5 m
EC3T210	93X375613	Type T thermocouple probe. Shaft length: 100 mm; penetration sharp-tip sensor: 3 mm diameter; -50 to 300 °C (for semi-solid measurement); cable and probe at 300 °C; cable length: 1.5 m

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POR 08X233221 05/09 Rev 1

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