

# Handheld Digital Calibrator and J/K/T/E Thermometer

- ✓ 8-Point, NIST-Traceable Calibration Certificate
- ✓ Large 3½ Digit Display
- ✓ Type J/K/T/E TC Calibrator and Thermometer
- ✓ Range -220 to 1372°C (-364 to 1999°F)
- ✓ Dual Input T1, T2, T1-T2
- ✓ Hold Function
- ✓ °C/°F Selectable
- ✓ 0.1°/1° Display Resolution Selectable
- ✓ Rugged Case Design with Rubber Boot
- ✓ Backlit LCD Display

CL3512A  
**\$199**



The OMEGA® CL3512A calibrator/thermometer is 2 meters-in-1 at an attractive price. The CL3512A simulates Type J, K, T, and E thermocouple signals. Each signal is adjustable by using the coarse and fine dials. The CL3512A can also be used as a dual Type J, K, T, and E thermocouple input thermometer. Features include a large, 3½ digit backlit display, hold selections, °C/°F, and 0.1°/1°.

## Specifications

**Thermocouple Type:** J, K, T, E

**Temperature Range:**

Celsius or Fahrenheit

**Selectable Measurement Ranges:**

**Type K:** -200 to 1372°C (-328 to 1999°F)

**Type J:** -210 to 1200°C (-346 to 1999°F)

**Type T:** -200 to 400°C (-328 to 752°F)

**Type E:** -220 to 1000°C (-364 to 1832°F)

**Calibration Range:** Same as measurement range

**Auto Range:** 0.1° to 1° resolution above 199.9 (°C or °F)

**Measurement Accuracy:** Accuracy is specified for operating temperatures over the range of 18 to 28°C (64 to 82°F) for 1 year, not including thermocouple error

±(0.1° rdg + 1°C) **Range:** -60 to 1372°C

±(0.1° rdg + 2°C) **Range:** -60 to -220°C

±(0.1° rdg + 2°F) **Range:** -76 to 1999°F

±(0.1° rdg + 4°F) **Range:** -76 to -364°F

**Simulation Accuracy:** Measurement accuracy plus 1°C

**Sampling Rate:** 1 time per second

**Resolution:** 0.1 (to 199.9) or 1°

**Display:** 3½ digit LCD with a maximum reading of 1999

**Polarity:** Automatic, positive implied, negative polarity indication

**Overrange:** (-OL) is displayed

**Zero:** Automatic

**Low Battery Indication:** Displayed when the battery voltage drops below the operating level

**Operating Environment:** 0 to 50° at <80% relative humidity

**Storage Temperature:** -20 to 60°C, 0 to 80% RH

with battery removed from meter

**Dimensions:** 195 H x 92 W x 53 mm D (7.7 x 3.6 x 2.1")

**Weight:** Approx 250 g (9 oz) including battery

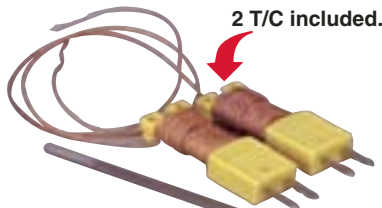
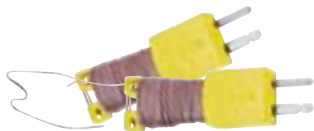
**Battery:** 9V (included), life approx 100 hours

## Included!

All CL3512A models include 2 free 0.9 m (36") Type K beaded wire thermocouples with subminiature connector and wire spool caddy.

**Order Spares!**

**Model No. SC-GG-K-30-36, 2/\$30**



2 T/C included.

Batteries included.

One Type K retractable cable included.

KTSS-HH probe, \$29, sold separately. See To Order table below.

## ALL MODELS AVAILABLE FOR FAST DELIVERY!

### To Order (Specify Model Number)

Model No.	Price	Description
CL3512A	\$199	J, K, T, E thermometer/calibrator
CL3512	165	K only thermometer/calibrator

### Accessories

Model No.	Price	Description
SC-HH500	\$12.00	Softcase
RSC-J-1-4-4	18.50	J cable (retractable with 2 SMP-M)
RSC-T-1-4-4	18.50	T cable (retractable with 2 SMP-M)
RSC-E-1-4-4	18.50	E cable (retractable with 2 SMP-M)
RSC-K-1-4-4	18.50	K cable, spare (retractable with 2 SMP-M)
88013K	110.00	Surface probe up to 815°C (1500°F)
KTSS-HH	29.00	Immersion probe (shown above)

Comes with one 9 V alkaline battery, rubber boot, NIST certificate, 2 Type K thermocouples, 1 Type K cable and operator's manual.  
**Ordering Example:** CL3512A, digital thermometer/calibrator, \$199.



## UNITED STATES

[www.omega.com](http://www.omega.com)

1-800-TC-OMEGA  
Stamford, CT.

## CANADA

[www.omega.ca](http://www.omega.ca)

Laval(Quebec)  
1-800-TC-OMEGA

## GERMANY

[www.omega.de](http://www.omega.de)

Deckenpfronn, Germany  
0800-8266342

## UNITED KINGDOM

[www.omega.co.uk](http://www.omega.co.uk)

Manchester, England  
0800-488-488

## FRANCE

[www.omega.fr](http://www.omega.fr)

Guyancourt, France  
088-466-342

## CZECH REPUBLIC

[www.omegaeng.cz](http://www.omegaeng.cz)

Karviná, Czech Republic  
596-311-899

## BENELUX

[www.omega.nl](http://www.omega.nl)

Amstelveen, NL  
0800-099-33-44



## More than 100,000 Products Available!

### • Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

### • Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

### • pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

### • Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

### • Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

### • Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters