

High Accuracy Data Logger

Dual Input, Handheld Thermometer with RS232C Interface and Software

HH506RA
\$199
 Dual Input



Standard
 No Points

**USB Interface
 Cable and Software
 Optional for
 HH506RA**

HH506RA, \$199,
 shown smaller than actual size.

KHSS-18G-RSC-12 probes,
 \$34 each, sold separately.
 See page A-117.

Comes complete with RS232C
 cable and software, rubber boot,
 2 Type K beaded wire T/Cs, and
 operator's manual.

- 2-Channel Temperature Measuring
- 7 Thermocouple Types
- Triple Display with Setable Backlight
- Save Data (128 Samples via Button with Time Stamp)
- Data Logging (Up to 1024 Samples, Interval Set from 1 Second to Hours)
- Time, Record Interval, APO Time Setting
- Software Package Included (RS232C Cable and Disk, Model HH506RA Only)
- °C/°F Switchable
- 0.1 Resolution
- Water/Splash Resistant, NEMA 4X (IP56), Dustproof

**All Thermocouple
 Probes Sold
 Separately. See
 Section A for More
 Probes**

Free Thermocouple Included!

These models include a free 1 m (40") Type K insulated beaded wire thermocouple with subminiature connector and wire spool caddy (1 per channel). **Order a Spare! Model No. SC-GG-K-30-36, \$15.**

The OMEGA® HH506A is a low cost, feature-packed, portable, digital thermometer that measures K, J, R, S, T, E and N thermocouples. The unit has data logging capacity in the save mode of 128 samples with time stamp via pressing the save button. In the data logging mode up to 1024 records may be logged at an interval set from 1 second to 23 hr/59 min/59 sec. Data is stored in 16 groups of 64 records. Easy to use set-up instructions allow the user to measure a broad range of T/Cs, MAX/MIN, AVG, REL, Hold Function, T1/T2. The HH506RA has the HH506A features plus it includes an RS232C interface with Windows® software.

Data Logger Thermometer

Specifications	HH506RA	HH506A
Backlit LCD	✓	✓
No. of Digits	19999	19999
Probe (Type)	K, J, T, E, R, S, N	K, J, T, E, R, S, N
Range	-210 to 1767°C (-346 to 3212°F)	-210 to 1767°C (-346 to 3212°F)
Resolution	0.1/1	0.1/1
Timer	Real Time	Real Time
Save/Log	128/1024	128/1024
Input Channel	2	2
Data/Hold	✓	✓
Max/Min	✓	✓
Relative (zero set)	✓	✓
RS232C	✓	N/A
Software	Compatible with Windows 98; 2000; XP	N/A
Display	3	3
T1-T2	✓	✓
APO (may be disabled Auto Power-Off)	✓	✓
Hi/Lo Limits (with beeper warning)	✓	✓
Basic Accuracy (rdg = reading)	±(0.05% rdg + 0.3°C)	±(0.05% rdg + 0.3°C)

HH506A
\$159
Dual Input



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.



HH506A, \$159.

Specifications

Temperature Range:

K Type: (0.1°, 1° for above 2000°F)
-200 to 1372°C (-328 to 2501°F)

J Type: (0.1°, 1° for above 2000°F)
-210 to 1200°C (-346 to 2192°F)

T Type: (0.1°) -200 to 400°C
(-328 to 752°F)

E Type: (0.1°) -210 to 1000°C
(-346 to 1832°F)

R Type: (1°) 0 to 1767°C (32 to 3212°F)

S Type: (1°) 0 to 1767°C (32 to 3212°F)

N Type: (0.1°, 1° for above 2000°F)
-50 to 1300°C (-58 to 2372°F)

According to temperature standard ITS-90

Accuracy:

K/J/T/E Type: ±(0.05% rdg + 0.3°C)
on -50 to 1370°C

±(0.05% rdg + 0.7°C) on -50 to -210°C

±(0.05% rdg + 0.6°F) on -58 to 2501°F

±(0.05% rdg + 1.4°F) on -58 to -346°F

N Type:

±(0.05% rdg + 0.8°C) on -50 to 0°C

±(0.05% rdg + 0.4°C) on 0 to 1300°C

±(0.05% rdg + 1.6°F) on -58 to 32°F

±(0.05% rdg + 0.8°F) on 32 to 2372°F

R/S Type:

±(0.05% rdg + 2°C) on 0 to 1767°C

±(0.05% rdg + 4°F) on 32 to 3212°F

Resolution: 0.1°C/1°C (0.1°F/1°F)

Power: 9V battery (included)

Datalogger Capacity:

Save Data: 128 samples with
time stamp

Data Logger: 1024 data capacity
(interval 1 sec to 23:59:59)

Dimensions: 192 H x 91 W x 53 mm D
(7.6 x 3.6 x 2.2")

Weight: Approx 255 g (9 oz)

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
HH506RA	\$199	Dual input data logger/RS232C/software
HH506A	159	Dual input data logger

Accessories

Model No.	Price	Description
HH506RA-USB-SW	\$30	USB cable and software for Win98/NT/2000 (HH506RA comes with RS232 cable and software)
SC-HH500	12	Soft carrying case, see pages L-59 and L-60
SC-GG-K-30-36	15	Extra Type K beaded thermocouple, 1 m (40")
KTSS-HH	29	150 mm (6") long 1/8" diameter stainless steel Type K probe with 300 mm (12") retractable cable [expands to 1.2 m (48")] terminating with male subminiature connector (not shown)
KHSS-18G-RSC-12	34	Utility handle probe 300 mm (12")
CAL-3-HH	85	NIST-traceable calibration with points
MN1604	3	Replacement 9V alkaline battery

Comes complete with 9V battery, Type K T/C (1 per channel), rubber boot, NIST certificate (no points) and operator's manual. **HH506RA** includes software disk and RS232 cable.

Ordering Examples: **HH506RA**, dual input data logger/RS232C thermometer and **SC-HH500**, soft case, \$199 + 15 = **\$214**.

OCW-3, OMEGACARESM extends standard 1-year warranty to a total of 4 years (\$49), \$199 + 49 = **\$248**.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

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