

High Accuracy Data Logger

Dual Input, Handheld Thermometer with RS232C Interface and Software

HH506RA
Dual Input



Standard
No Points

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



HH506RA shown with KHSS-18G-RSC-12 probes, sold separately.

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. Visit omega

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-TT-K-30-36.

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 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.

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)

To Order	
Model No.	Description
HH506RA	Dual input data logger/RS232C/software
HH506A	Dual input data logger

Accessories

Model No.	Description
HH506RA-USB-SW	USB cable and software for Win98/NT/2000 (HH506RA comes with RS232 cable and software)
SC-HH500	Soft carrying case
SC-TT-K-30-36	Extra Type K beaded thermocouple, 1 m (40")
KTSS-HH	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	Utility handle probe 300 mm (12")
CAL-3-HH	NIST-traceable calibration with points
MN1604	Replacement 9V alkaline battery

Comes complete with 9V battery, Type K thermocouple (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.

OCW-3, OMEGACARESM extends standard 1-year warranty to a total of 4 years.