

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.**

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 TRODEX® 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



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.