

Temperature/Humidity Handheld Meter

Available in USB or RS232 Interfaces

TRODEKS®

HH311



Choice of
USB or RS232
Interface

- ✓ Triple Display
- ✓ Temperature/Humidity Probe
- ✓ Second Temperature Input
- ✓ Choice of RS232 or USB Interfaces
- ✓ Timer and REL Functions
- ✓ MIN/MAX/HOLD Functions
- ✓ Resolution 0.1
- ✓ Auto Power-Off
- ✓ Mini-Tripod Included

The HH311 is a low cost, high performance handheld meter. It offers a triple display to show the temperature and humidity from a handheld probe and can display data from a separate K type thermocouple connected via a standard SMP type miniature connector to the T2 input. The temperature/humidity probe uses a semiconductor and polymer capacitive sensor. Optional software packages are offered to allow data to be read by a PC through either RS232 or USB cables.

Specifications

Range: 0 to 100% RH, -20 to 60°C (-4 to 140°F)

T2 Range: -200 to 1370°C (-328 to 2498°F)

Resolution: 0.1 (except T2 for -200 > T2 > 200)

Accuracy: $\pm 2.5\%$ RH at 25°C, $\pm 0.7^\circ\text{C}$ ($\pm 1.4^\circ\text{F}$)
T2 Accuracy: $\pm [0.5\% \text{ rdg} \pm 1^\circ\text{C} (2^\circ\text{F})]$
Humidity Response Time: 75 seconds in slowly moving air
T1 Response Time: 40 seconds in slowly moving air
Meter Dimensions: 186 H x 64 W x 30 mm D (7.3 x 2.5 x 1.2")
Probe Dimensions: 190 x 15 mm (7.5 x 0.6"), cable stretches to 1.5 m (5')
Operating Environment: 0 to 50°C (32 to 122°F), 0 to 90% non-condensing
Storage Environment: -10 to 60°C (14 to 140°F), 0 to 80% non-condensing
Power Requirements: One 9V battery (included), AC adapter 9 Vdc 10 mA minimum
Plug Diameter: 3.5 x 1.35 mm
RS232: 9600 bps, N, 8, 1 serial interface
Battery Life: Approx 100 hours with alkaline battery
Weight: Approx 320 g (11.3 oz)



HH311.

To Order

Model No.	Description
HH311	Temperature/humidity handheld meter
HH310-SW	Software and RS232 interface cable
HH310-SW-USB	Software and USB interface cable
KTSS-HH	Type K immersion probe (not shown)
HH300-ADAPTER	Power adaptor (115V)
HH300-CABLE	RS232 interface cable (spare)
HH300-CABLE-USB	USB interface cable (spare)
MINI-TRIPOD	Spare mini-tripod expands 142 to 279 mm (5.6 to 11")

Comes complete with hard carrying case, mini-tripod, 9V battery, beaded thermocouple (for T2 input), calibration certificate, and operator's manual.

Ordering Example: HH311, temperature/humidity handheld meter.

Free Thermocouple Included!

This model includes a free 1 m (40") Type K insulated beaded wire thermocouple with subminiature connector and wire spool caddy. Order a Spare! Model No. SC-GG-K-30-36.

