HANDHELD ENVIRONMENTAL METER
WITH SD CARD FOR DATA LOGGING

HHEM-SD1

1 YEAR WARRANTY CE

- ↳ **Multi-Function Probe Measures Air Speed, Temperature, Humidity, and Light Level**
- ↳ **Surface Temperature and Sound Level (Optional)**
- ↳ **Large Easy-to-Read Green Backlit LCD**
- ↳ **Maximum and Minimum Readings with Hold Function**
- ↳ **Automatically Logs Time Settable From 1 Second to 1 Hour**
- ↳ **Supports Manual Data Logging and Changing of SD Card Storage Location**
- ↳ **Auto Power Off Function**

The HHEM-SD1 meter comes with a multi-function probe that is used to make air speed, humidity and light measurements. Surface temperature and sound level are made using optional accessories. Several features and capabilities enhance the meter's versatility, among them are automatic temperature compensation for measurements made by the anemometer, a Type K or J thermocouple input, the ability to hold readings and display maximum or minimum readings, and an automatic power off function that extends battery life.

Because it is microprocessor-based, the HHEM-SD1 can make full use of being portable. Reliability and large storage capacities are enhanced by an SD memory card.

Measurements can be made automatically at any sampling rate between one second and one hour. After time-stamping and storing the measurements on an SD card plugged into the instrument, the user can remove the SD card and plug it into to a laptop or desktop computer either directly or via a USB card reader. The data is stored on the card as files with the .xls extension, which can be opened by Microsoft's Excel application.

HHEM-SD1, meter with temperature/humidity/air speed/light level probe (included).

2 GB SD memory card included.

The HHEM-SD1 has a backlit 2½" diagonal display and is powered by 6 "AA" alkaline batteries (included) or an optional 9 Vdc AC adaptor.

SPECIFICATIONS
Measurement Ranges:
   Air Speed: 0.4 to 25 m/sec, 1.4 to 90 km/hr, 0.9 to 55.9 mph, 0.8 to 48.6 knots, 80 to 4930 ft/min
   Humidity: 0 to 85% RH
   Temperature: 0 to 50°C (32 to 122°F); for RH, 10 to 95%
   Light Level: 0 to 20,000 lux, 0 to 1860 ft-cd
Accuracy:
   Air Speed: ±(2% + 0.2 m/sec), ±(2% + 0.8 km/hr), ±(2% + 0.4 mph), ±(2% + 0.4 knots), ±(2% + 40 ft/min) (%'s are of full scale)
   Temperature: 1.5°F (±0.8°C)
   Humidity: ±(3% of rdg + 1% FS) for RH values >70% ±3% of rdg for RH values <70%
Light Level: ±(5% of rdg ±8 digits)

Data Logging Sampling Time: 1 second to 1 hr.
Settable Parameters: Date, time, auto power off, beep sound, sampling time, decimal point or comma decimal division, temperature unit, air speed unit, light level unit
Thermocouple Type: K or J (optional)
Storable/Recallable Readings: Maximum/minimum
Operating Temperature: 0 to 50°C (32 to 122°F)
Operating Relative Humidity: 0 to 85%
Power: 6 "AA" Alkaline batteries (included) or an optional 9 Vdc AC adaptor
Dimensions
   Meter: 135 H x 60 W x 33 mm D (5.31 x 2.36 x 1.30")
   Display: 52 L x 38 mm H (2.05 x 1.5") LCD
   Package: 286 H x 251 W x 76 mm D (11.25 x 9.88 x 3")
Weight
   Meter: 515 g (1.13 lb)
   Package: 35 oz (2.16 lb)

To Order

Model No.	Description
HHEM-SD1	Handheld environmental meter
HHEM-SD1-SLP	Optional sound level probe
KTSS-HH	Optional thermocouple probe
HHEM-SD1-RP	Replacement standard probe
ADAPTOR SD	Optional 9 Vdc, AC adaptor
HM1500	Replacement "AA" batteries (6 required)

Comes complete with combination temperature/humidity/air speed/light level probe, 2 GB SD memory card, hard plastic carrying case, 6 "AA" batteries and operator's manual.
***Ordering Example: HHEM-SD1,** handheld environmental meter with **HHEM-SD1-SLP,** sound probe.*