



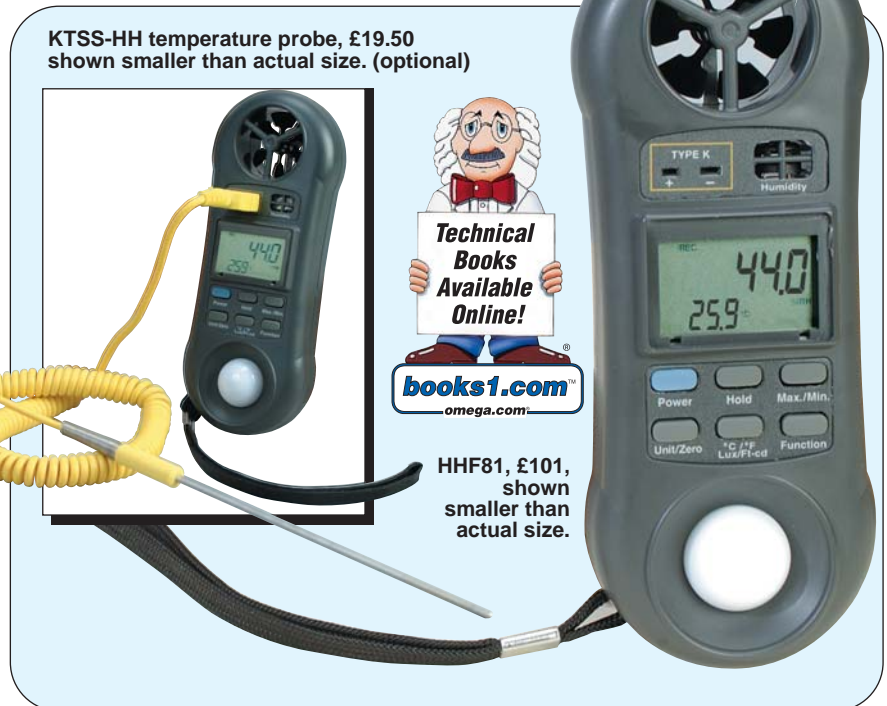
Air Velocity Meter 4-in-1

Anemometer, Hygrometer, Light Meter, Thermometer

HHF81
£101



- ✓ Simultaneous Readings of Air Velocity and Temperature or Humidity and Temperature
- ✓ Exclusive Photo Diode and Colour Correction Filter Light Sensor, Spectrum Meets C.I.E. Photopic
- ✓ Standard Type K Thermocouple SMP Input Jack Suitable for All Types of K Probes
- ✓ Lux/Feet-Candle Selectable by Pressing Button on the Front Panel



The HHF81 anemometer can measure air flow, humidity, temperature and light. The built-in microprocessor circuit assures excellent performance and accuracy. The HHF81 can track the maximum and minimum values along with current readings. The HHF81 displays the flowrate in your choice of knots, meters per second, kilometers per hour, miles per hour, feet per minute.

The HHF81 relies upon a low-friction ball bearing mounted wheel design to provide high accuracy at high and low air velocity. The impeller provides excellent accuracy (± 3 to 4%) and the ability to measure the slightest breeze (0.3 M/S). For temperature readings, the HHF81 has an internal thermistor or is compatible with any Type K thermocouple with SMP Male connector, accurate to $\pm 1^\circ\text{C} + 1\%$ of reading. The humidity sensor measures to 95% relative using a high precision thin-film capacitance sensor with fast response to humidity changes. The Light measurement uses an exclusive photo diode and colour correction filter light sensor.

Specifications

Air Velocity

Measurement Range: 80 to 5910 ft/min, 0.4 to 30.0 m/s, 0.9 to 67.0 mph, 1.4 to 108.0 km/hr, 0.8 to 58.3 knots, 0.8 to 58.3 knots

Resolution: 1 ft/min, 0.1 m/s, 0.1 mph, 0.1 km/hr, 0.1 knots

Accuracy: 20 m/s : 3% FS, >20 m/s : 4% FS

Temperature (Internal Thermistor)

Measurement Range: 0 to 50°C (32 to 122°F)

Resolution: $0.1^\circ\text{C}/^\circ\text{F}$

Accuracy: $\pm 1.2^\circ\text{C}$ ($\pm 2.5^\circ\text{F}$)

Operational Temperature: 0 to 50°C (32 to 122°F)

Temperature (External Type K)

Measurement Range: -100 to 1300°C (-148 to 2372°F)

Resolution: $0.1^\circ\text{F}/^\circ\text{C}$

Accuracy: $\pm(1\% + 1^\circ\text{C})$ of rdg [$\pm(1\% + 2^\circ\text{F})$ of rdg]

Humidity

Measurement Range: 10 to 95%

Resolution: 0.1%

Accuracy: < 70% RH : $\pm 4\%$ of rdg, 70% RH $\pm (4\% \text{ rdg} + 1.2\% \text{ RH})$

Operational Humidity Max.: 80% RH

Light Lux

Measurement Range: 0 to 2200 Lux, 1800 to 20000 Lux, 0 to 204.0 Fc, 170 to 2000 Fc

Resolution: 1 Lux, 10 Lux, 0.1 Ft-cd, 1 Ft-cd

Accuracy: $\pm 5\%$ rdg ± 8 dgt

Overrange Display: "-----"

Battery: 9V (included)

Power Consumption: Approx DC 6.2 mA

Weight: 160 g (0.4 lbs) battery included

Dimension: 156 x 60 x 33 mm (6.14 x 2.36 x 1.29")

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description
HHF81	£101	Air flow meter
KHSS-IM30E-RSC-300	23	Type K thermocouple—exposed element for air
KHSS-IM30G-RSC-300	23	Type K thermocouple—grounded element for air or liquids
SMPW-KI-M	1.75	Type K SMP mini plug with write on window
CAL-3-FLOW	151	Traceable 4-point calibration certificate (flow only)
MS-0918	161	Reference Book: Flow Measurement for Engineers and Scientists

Comes with operator's manual and battery.

Ordering Example: HHF81, 5-digit air flow meter, £101.





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• 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

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