

HANDHELD ROTATING VANE HYGRO-THERMO ANEMOMETER



HHF144 Series
Starts at
\$945



No Points
Standard

- ✓ Measure from 5.0 to 95% RH
- ✓ Measure Airflow in Environments from -20 to 100°C (-4 to 212°F)
- ✓ Temp Measurements in Humidity Sensor Standard
- ✓ Minimum and Maximum Air Speed and Temp
- ✓ Analog Voltage Output and Communication Options
- ✓ NIST Calibration

The OMEGA® HHF144 rotating vane hygro-thermometer anemometer is a high quality instrument providing highly accurate humidity, air velocity, and temperature measurements in harsh environments via a user-friendly and intuitive interface. Applications include manufacturing, laboratory, computer rooms, environmental control, flow hood monitoring, and other applications where precise air measurement is required.

SPECIFICATIONS

Ranges

HHF144B: 0.2 to 40.00 MPS
(40 to 7800 FPM)

HHF144A: 0.3 to 35.00 MPS
(60 to 6800 FPM)

Relative Humidity: 5.0 to 95% RH

Temperature (Using Standard Combination Temp/Humidity Probe):
-20 to 80°C (-4 to 176°F)

Temperature (Using Optional Separate Temperature Probe):
-95 to 200°C (-139 to 392°F)

Accuracy

Air Velocity: ±1.0% of reading ±1-digit
Temperature: ±(0.3°C + 0.2% of reading in °C)

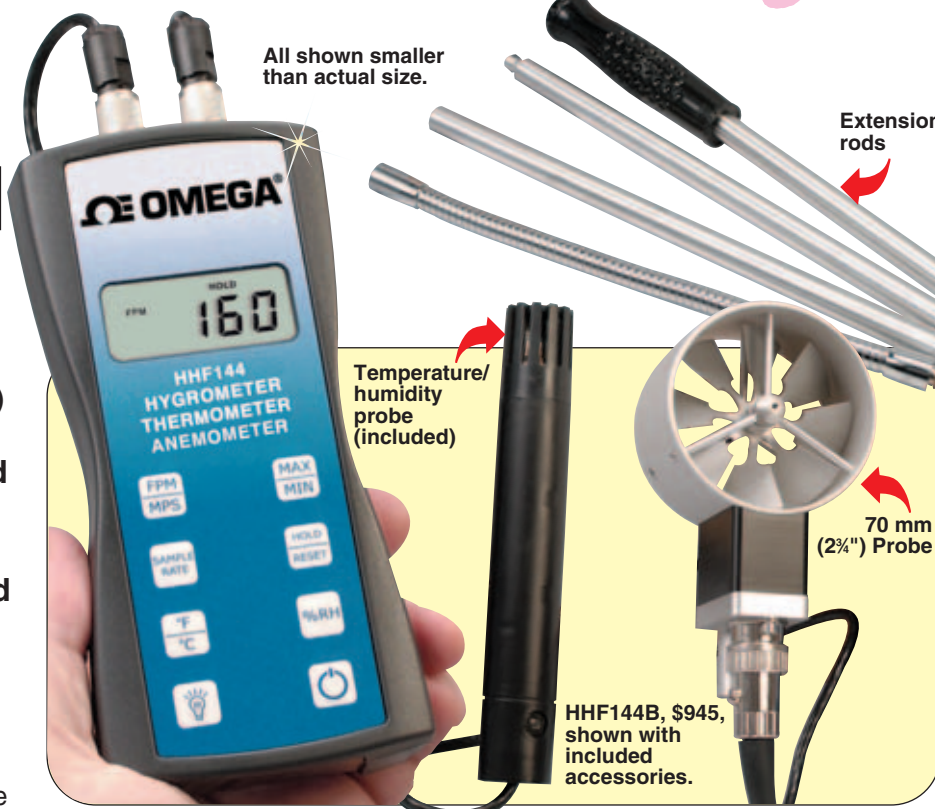
Temperature Accuracy Examples:
±0.3°C @ 20°C (±0.5°F @ 68°F)

Relative Humidity: ±2.0% RH

Resolution

Air Velocity: 1 FPM or 0.01 MPS
Temperature: 0.1°F or °C
(1°F below -99.9°F)

Relative Humidity: 0.1% RH



All shown smaller than actual size.

Extension rods

Temperature/humidity probe (included)

70 mm (2¾") Probe

HHF144B, \$945, shown with included accessories.

Response Time

Relative Humidity: Up to 90% of change in measured value in 15 seconds

Temperature: Approx. 60 sec in still air; Approx. 10 sec in moving air streams

Display: 12.7 mm (0.5") LCD, 4-digits, with LED backlight

Operating Temp

Instrument: 0 to 50°C (32 to 125°F)

Air Probe: -20 to 100°C (-4 to 212°F)

Temp/Humidity Probe: -20 to 80°C (-4 to 176°F)

Power Supply: 3 "AA" alkaline batteries (included)

Battery Life: Approximately 150 hours

Dimensions

Instrument: 165 x 83 x 38 mm (6.5 x 3.25 x 1.5")

HHF144A: 25 mm (1") diameter

HHF144B: 70 mm (2.75") diameter

RH/Temp Probe: 152 x 25 mm (6 x 1") diameter

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
HHF144A	\$945	Handheld hygro-thermo anemometer with 25 mm (1") dia. probe
HHF144B	945	Handheld hygro-thermo anemometer with 70 mm (2¾") dia. probe

Accessories

Model No.	Price	Description
HHF140B-RP	\$350	Replacement 70 mm (2¾") vane probe
HHF140A-RP	350	Replacement 25 mm (1") vane probe and 1.5 m (5') cable
HHF144-HP	198	Replacement temperature/humidity probe
MN1500-4	3	4 "AA" replacement batteries

Comes complete with vane probe [25 or 70 mm (1 or 2¾") depending on model], 3 extension rods (flexible, straight and with handle), 1.5 m (5') cable, 3 "AA" alkaline batteries, hard carrying case, NIST calibration certificate and operator's manual.

For units with a protective boot add suffix "-PB" to model number and \$75 to price.

For units with USB communications add suffix "-USB" to model number and \$195 to price.

For units with a voltage output add suffix "-V" to model number and \$225 to price.

Ordering Examples: HHF144B-USB, anemometer with 70 mm (2¾") vane, temperature input and USB communications, \$945 + 195 = \$1140.

HHF144A-V, anemometer with 25 mm (1") vane and a voltage output, \$945 + 225 = \$1170.

Recommended Reference Book: Temperature, Pressure and Air Flow Measurement, OP-6, \$340. See Section Y for Additional Books



omega.co.uk[®]

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

www.omega.co.uk



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488
+44-(0)161-777-6611

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

FRANCE

www.omega.fr

0800-466-342

GERMANY

www.omega.de

Deckenfronn, Germany
0800-8266342

BENELUX

www.omega.nl

0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• 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

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters