



- ✓ 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 Included

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 userfriendly 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: 1.5 to 35.00 MPS

(300 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)

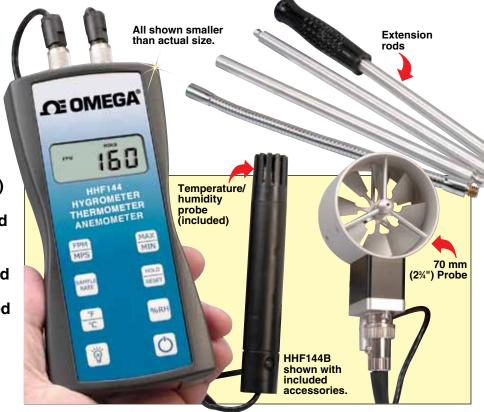
Temperature Accuracy Examples: ±0.3°C @ 20°C (±0.5°F @ 68°F) Relative Humidity: ±2.0% RH

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



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

To Oudou

| To Order | |
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| Model No. | Description |
| HHF144A | Handheld hygro-thermo anemometer with 25 mm (1") dia. probe |
| HHF144B | Handheld hygro-thermo anemometer with 70 mm (2¾") dia. probe |

Accessories

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

Comes complete with vane probe [25 or 70 mm (1 or $2^{3}/_{4}$ ") 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, for additional cost. For units with USB communications add suffix "-USB" to model number, for additional cost. For units with a voltage output add suffix "-V" to model number, for additional cost.

Ordering Examples: HHF144B-USB, anemometer with 70 mm ($2\frac{3}{4}$ ") vane, temperature input and USB communications.

HHF144A-V, anemometer with 25 mm (1") vane and a voltage output.