The OMEGA® HHF144 rotating vane hygro-thermo 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: 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)

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”)
HHF144B: 70 mm (2.75”) diameter
HHF144A: 25 mm (1”) diameter
RH/Temperature Probe: 152 x 25 mm (6 x 1”) diameter

To Order

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>HHF144A</td>
<td>Handheld hygro-thermo anemometer with 25 mm (1”) dia. probe</td>
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<tr>
<td>HHF144B</td>
<td>Handheld hygro-thermo anemometer with 70 mm (2½”) dia. probe</td>
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Accessories

<table>
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<tr>
<th>Model No.</th>
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<tbody>
<tr>
<td>HHF140B-RP</td>
<td>Replacement 70 mm (2½”) vane probe</td>
</tr>
<tr>
<td>HHF140A-RP</td>
<td>Replacement 25 mm (1”) vane probe and 1.5 m (5’) cable</td>
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<tr>
<td>HHF144-HP</td>
<td>Replacement temperature/humidity probe</td>
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<tr>
<td>MN1500-4</td>
<td>4 “AA” replacement batteries</td>
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</tbody>
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Orders complete with vane probe [25 or 70 mm (1 or 2½”) 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 (2½”) vane, temperature input and USB communications.
HHF144A-V, anemometer with 25 mm (1”) vane and a voltage output.