

HANDHELD ROTATING VANE THERMO-ANEMOMETER



HHF143 Series



No Points Standard

- ✓ High Accuracy ($\pm 1.0\%$ of Reading)
- ✓ Low Speed Sensitivity
- ✓ Wide Temperature Range -20 to 100°C (-4 to 212°F)
- ✓ Temperature Measurement Standard
- ✓ Minimum and Maximum Recall
- ✓ Analog Voltage Output and Communication Options
- ✓ NIST Calibration Included

The OMEGA™ HHF143 rotating vane anemometer series are high-quality instruments providing highly accurate air velocity and temperature measurements in harsh environments via a user-friendly and intuitive interface. Applications include indoor air quality, process control, flow hood monitoring, and many other applications where precise air flow and temperature measurement is required.

SPECIFICATIONS

Ranges:

- HHF143B: 0.2 to 40.00 MPS (40 to 7800 FPM)
- HHF143A: 1.5 to 35.00 MPS (300 to 6800 FPM)

Temperature (Using Either Air Velocity Probe Head):

-20 to 100°C (-4 to 212°F)

Accuracy

Air Velocity:

- 2.75" Probes: $\pm 1.0\%$ of Reading ± 1 digit
- 1.00" Probes: $\pm 0.50\%$ F.S. + 0.75% Reading + 1 digit

Temperature: $\pm(0.3^{\circ}\text{C} + 0.2\%$ of reading in $^{\circ}\text{C}$)

Temperature Accuracy Examples: $\pm 0.3^{\circ}\text{C}$ @ 20°C ($\pm 0.5^{\circ}\text{F}$ @ 68°F)

Resolution

- Air Velocity: 0.01 MPS or 1 FPM
- Temperature: 0.1°C or $^{\circ}\text{F}$
- Display: 12.7 mm (0.5") LCD, 4-digits, with LED backlight



HHF143B shown smaller than actual size.

70 mm (2 3/4") dia probe (included)

Operating Temp:

- Instrument: 0 to 50°C (32 to 125°F)
- Air Probe: -20 to 100°C (-4 to 212°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")
- HHF143A: 25 mm (1") diameter
- HHF143B: 70 mm (2.75") diameter
- Cable: 1.5 m (5')

To Order

Model No.	Description
HHF143A	Handheld thermo-anemometer 25 mm (1") dia probe
HHF143B	Handheld thermo-anemometer 70 mm (2 3/4") dia probe

Accessories

Model No.	Description
HHF140B-RP-T	Replacement 70 mm (2 3/4") vane probe with temp sensor
HHF140A-RP-T	Replacement 25 mm (1") vane probe with temp sensor and 1.5 m (5') cable
MN1500-4	Package of 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 0 to 5 Vdc voltage output add suffix "-V" to model number, for additional cost.

Ordering Example: HHF143B, thermo-anemometer with 70 mm (2 3/4") vane.