

HANDHELD ROTATING VANE THERMO-ANEMOMETER

HHF143 Series
Starts at
\$845



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: $\pm 1.0\%$ of 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

70 mm (2 $\frac{3}{4}$ ") dia probe (included)



HHF143B, \$845. shown smaller than actual size.

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')

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
HHF143A	\$875	Handheld thermo-anemometer 25 mm (1") dia probe
HHF143B	845	Handheld thermo-anemometer 70 mm (2 $\frac{3}{4}$ ") dia probe

Accessories

Model No.	Price	Description
HHF140B-RP-T	\$500	Replacement 70 mm (2 $\frac{3}{4}$ ") vane probe with temp sensor
HHF140A-RP-T	525	Replacement 25 mm (1") vane probe with temp sensor and 1.5 m (5') cable
MN1500-4	3	Package of 4 "AA" replacement batteries

Comes complete with vane probe [25 or 70 mm (1 or 2 $\frac{3}{4}$ ") 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 and \$75 to price.

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

For units with a 0 to 5 Vdc voltage output add suffix "-V" to model number and \$195 to price.

Ordering Examples: HHF143B, thermo-anemometer with 70 mm (2 $\frac{3}{4}$ ") vane, \$845.

HHF143A-V, thermo-anemometer with 25 mm (1") vane and a voltage output, \$875 + 195 = \$1070.

Recommended Reference Book: Flow Measurement 2nd Edition, FW-0119, \$160. See Section Y for Additional Books





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• Temperature

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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

• pH and Conductivity

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• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 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, Strain Gages, 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