

# HANDHELD ROTATING VANE ANEMOMETER WITH VOLUME CALCULATION



## HHF142

- ✓ Enter, Store, and Recall Up to 10 Duct Sizes
- ✓ High Accuracy ( $\pm 1.0\%$  of Reading)
- ✓ Low Speed Sensitivity
- ✓ Wide Temperature Range from  $-20$  to  $100^{\circ}\text{C}$  ( $-4$  to  $212^{\circ}\text{F}$ )
- ✓ Minimum and Maximum Capture
- ✓ Analog Voltage Output and Communication Options
- ✓ NIST Calibration Included

The OMEGA® HHF142 rotating vane anemometer is a high-quality instrument providing accurate air velocity and volume flow measurements in harsh environments. The user can easily enter the size of the duct opening and the HHF142 automatically calculates the volume flow rate from the duct. The duct size is automatically stored in memory on turn-off and up to 10 unique duct sizes can be stored and recalled for frequent use.



## SPECIFICATIONS

### Ranges:

**HHF142A:** 1.5 to 35.00 MPS  
(300 to 6800 FPM)

**HHF142B:** 0.25 to 36.60 MPS  
(50 to 7800 FPM)

### Calculated Air Volume Flow:

0.0 to 9999 CFM (0.0 to 9999 CMH)

**Accuracy:**  $\pm 1.0\%$  of reading  $\pm 1$ -digit

**Resolution:** 1 FPM or 0.01 MPS

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

### Operating Temp:

**Instrument:** 0 to  $50^{\circ}\text{C}$  (32 to  $125^{\circ}\text{F}$ )

**Probe:**  $-20$  to  $100^{\circ}\text{C}$  ( $-4$  to  $212^{\circ}\text{F}$ )

**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")

**HHF142A:** 25 mm (1") diameter

**HHF142B:** 70 mm (2.75") diameter

**Cable:** 1.5 m (5')

**Outputs (Optional):** USB or 0 to 5 Vdc

**To Order Visit [omega.com/hhf142](http://omega.com/hhf142) for Pricing and Details**

Model No.	Description
HHF142A	Handheld anemometer with 25 mm (1") dia probe
HHF142B	Handheld anemometer with 70 mm (2 $\frac{3}{4}$ ") dia probe

## Accessories

Model No.	Description
HHF140B-RP	Replacement 70 mm (2 $\frac{3}{4}$ ") vane probe
HHF140A-RP	Replacement 25 mm (1") vane probe and 1.5 m (5') cable
HHF140B-CABLE	Replacement 1.5 m (5') connector cable
HHF140-USB-CABLE	Replacement USB cable
HHF140-V-CABLE	Analog output cable
MN1500-4	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 and splash proof seals 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 Examples:** HHF142B-PB, anemometer with 70 mm (2 $\frac{3}{4}$ ") vane with a protective boot and splash proof seals.

HHF142A, anemometer with 25 mm (1") vane.