HHF2005HW

1 YEAR WARRANTY NIST
Optional†

- **Real Time Data Logger Records Year, Month, Date, Hour, Minute and Second—Up to 16,000 Records**
- **Hot Wire Technology for High Precision, Low Velocity Air Measurements**
- **RS232 Serial Interface and Software Available**
- **Battery Powered Meter Includes Hard Carrying Case for Easy Portability**
- **Slim Telescopic Probe is Ideal For Grilles and Diffusers**
- **Jumbo LCD With Multiple Displays Can be Adjusted for Brightness**
- **Adjustable Sampling Time, Zero Adjust and Data Hold Features**
- **Accepts Type J or K Thermocouples**

HHF2005HW

The HHF2005HW hot wire anemometer with real time data logger has multiple features and an RS232 computer interface that make it suitable to use in such applications as environmental testing, balancing of fans/motors/blowers, air conveyors, clean rooms and flow hoods. What sets the HHF2005HW apart from other hot wire anemometers is that it incorporates a real-time data logger that can store up to 16,000 entries. The HHF2005HW measures velocity, and air temperature, and has an input probe socket that accepts a Type J or K thermocouple that can be used as a highly accurate thermometer. By entering the area into the instrument and measuring the velocity, the HHF2005HW can even determine the volume of air flow. The integrated hot wire and standard thermistors provide fast and accurate readings—even at low velocities. For added convenience, the HHF2005HW is battery powered, has auto power off and low battery warning features. A hard carrying case is included, to make portability simple.

† Refer to the footnote on next page for NIST calibration ordering information.

Hard carrying case, operators manual, and 4 "AA" batteries included.

SPECIFICATIONS

Display Units: m/s, km/h, mile/h, knot, ft/min, CMM, CFM, °C, °F
Operating Temperature: 0 to 50°C (32 to 122°F)
Max Humidity: Less than 80% relative humidity (non-condensing)
Sampling Time: 2 sec to 8 hours, 59 min, 59 sec
Power Supply: 4 "AA" batteries (included)
Current: Approx 21.5 mA dc (70 mA dc with hot wire probe)
Weight: Approx 515 g (1.13 lb)
Dimensions:
- **Instrument:** 203 x 76 x 38 mm (8.0 x 3.0 x 1.5")
- **Telescopic Probe:** 12 mm (0.5") dia, 280 to 940 mm (11.0 to 37.0") length
- **LCD Display:** 58 x 34 mm (2.3 x 1.3")

Measurement	Range	Resolution	Accuracy
m/s	0.2 to 20 m/s	0.1 m/s	± (10% + lsd) full scale
km/hr	0.7 to 72 km/hr	0.1 km/hr	
mile/hr	0.5 to 44.7 mile/hr	0.1 mile/hr	
knot	0.4 to 38.8 knot	0.1 knots	
ft/min	40-3940 ft/min	1 ft/min	
Air temp (˚C)	0 to 50°C	0.1°C	± 0.8°C
Air temp (˚F)	32 to 122°F	0.1°F	± 1.5°F
Thermometer (Type J thermocouple)	-100.0 to 1100°C	0.1°C	± (0.2% + 0.5°C)
	-50.1 to -100°C		± (0.2% + 1°C)
	-58.0 to 2012°F	0.1°F	± (0.2% + 1°F)
	-58.1 to -148°F		± (0.2% + 1.8°F)
Thermometer (Type K thermocouple)	-50.0 to 1300°C	0.1°C	± (0.2% + 0.5°C)
	-50.1 to -100°C		± (0.2% + 1°C)
	-58.0 to 2372°F	0.1°F	± (0.2% + 1°F)
	-58.1 to -148°F		± (0.2% + 1.8˚F)

Measurement	Range	Resolution	Area
CMM	0 to 36,000 CMM	0.001-1 CMM	0.001 to 30.0 m^2
CFM	0 to 1,271,200 CFM	0.01-100 CFM	0.01 to 322.91 ft^2

To Order ***Visit omega.com/hhf2005hw for Pricing and Details***

Model No.	Description
HHF2005HW	Hot wire anemometer with data logger
HHF2005HW-RP	Replacement probe for HHF2005HW
SW-U101-WIN	Data logging software
MN1500-4	4 "AA" replacement batteries
CAL-3-FLOW†	NIST traceable 4-point calibration certificate