HOT WIRE ANEMOMETER
WITH REAL TIME DATA LOGGER

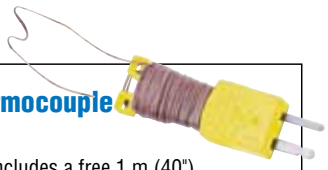
HHF-SD1

1 YEAR WARRANTY

- Slim Probe, Ideal for Grilles and Diffusers
- Type K or J Thermocouple Input
- Real Time SD Memory Card Data Logger
- LCD with Green Light Backlighting
- Velocity and Air Temperature Measurements
- RS232/USB Interface (Optional Cable)

The OMEGA® HHF-SD1 combination hot wire and standard thermistor anemometer with SD card data logger has multiple features 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 HHF-SD1 apart from other hot wire anemometers is that it incorporates a real-time SD card data logger.

The HHF-SD1 measures velocity, and air temperature, and has an input socket that accepts a Type J or K thermocouple that can be used as a highly accurate thermometer. The integrated hot wire and standard thermistors provide fast and accurate readings-even at low velocities. The HHF-SD1 is innovative and easy to operate. Download data from the SD card into an Excel® spreadsheet without the need for special software.



Free Thermocouple Included!

This model includes a free 1 m (40") Type K insulated beaded wire thermocouple with subminiature connector and wire spool caddy. **Order a Spare!**
Model No. SC-GG-K-30-36

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SPECIFICATIONS

Display: 52 x 38 mm (2.05 x 1.5") LCD with green backlight (on/off)
Measurement Units:
Velocity: m/s, km/h, ft/min, knots, mile/hr
Temperature: ºC or ºF
Sensor Construction: Glass bead thermistor
Sampling Time:
Auto: 1 to 3600 seconds
Manual: Push the data logger button once; will save data one time
Memory Card: SD memory card
Temperature Compensation: Automatic
Display Update: At 1 second
Data Output (RS232/USB): With optional cable/software
Operating Temperature: 0 to 50ºC (32 to 122ºF)
Operating Humidity: Less than 85% RH
Power: 6 "AAA" alkaline or heavy-duty batteries (included), or 9V power adaptor (optional)
Current Draw: 15 mA DC (without SD card or backlight), 36 mA (all functions)
Weight: 515 g (1.13 lb)
Dimensions:
Instrument: 203 L x 76 W x 38 mm D (8 x 3 x 1.50")
Probe: 12 mm (0.47") diameter, 280 to 940 mm (11 to 37") length
Air Temperature Measuring Range: 0 to 50ºC (32 to 122ºF)
Resolution: 0.1ºC (0.1ºF)
Accuracy: ± 0.8ºC (1.5ºF)

HHF-SD1 comes complete with hard carrying case, Type K thermocouple, telescoping probe, SD card, and operator's manul.

Measurement	Range	Resolution	Accuracy (Reading)
m/s	0.2 to 5 m/s	0.01 m/s	±(5% + a) reading or ±(1% + a) full scale whichever is greater
	5.1 to 20 m/s	0.1 m/s	
km/h	0.70 to 18 km/h	0.01 km/h	
	18 to 72 km/h	0.1 km/h	
mile/h (mph)	0.50 to 11.20 mph	0.01 mph	
	11.2 to 44.7 mph	0.1 mph	
knot	0.40 to 9.70 knot	0.01 knot	
	9.7 to 38.8 knot	0.1 knot	
ft/min	40 to 3940 ft/min	1 ft/min	
(a = 0.1 m/s, 0.3 km/h, 0.2 mile/h, 0.2 knot, 20 ft/min)			

Note: *m/s = meters per second, km/h = kilometers per hour, ft/min = feet per minute, mile/h = miles per hour, knot = nautical miles per hour (international knot)*

Type K/J Thermometer (Sensor Sold Separately)

Sensor	Resolution	Range	Accuracy
K	0.1ºC	-50 to 1300ºC	±(0.4% + 0.5ºC)
		-50.1 to -100ºC	±(0.4% + 1ºC)
	0.1ºF	-58 to 2372ºF	±(0.4% + 1ºF)
		-58.1 to -148ºF	±(0.4% + 1.8ºF)
J	0.1ºC	-50 to 1200ºC	±(0.4% + 0.5ºC)
		-50.1 to -100ºC	±(0.4% + 1ºC)
	0.1ºF	-58 to 2192ºF	±(0.4% + 1ºF)
		-58.1 to -148ºF	±(0.4% + 1.8ºF)

To Order

Model No.	Description
HHF-SD1	Data logging airflow meter with SD card–hot wire type

Accessories

Model No.	Description
HHF-SD1-RP	Replacement hot wire probe
SW-U101-WIN	Software for data logging from meters, with USB and RS232 cables
HC-SD	Replacement hard carrying case
SC-SD	Soft carrying case
ADAPTER-SD	AC adaptor
USB-SD	Spare USB cable (SW-U101-WIN software required)
RS232-SD	Spare RS232 cable (SW-U101-WIN software required)
2GB-SD	Spare 2 GB SD memory card

Comes complete with telescoping probe, 2 GB SD card, Type K thermocouple, hard carrying case, 6 "AAA" batteries and operator's manual.
Ordering Example: HHF-SD1 *data logging airflow meter with SD card, and* ***ADAPTER-SD*** *AC adaptor.*