



ENGLISH

Datasheet

RS Pro Hot Wire Anemometer

RS Stock No: 327-0640



Features

- * Thermal anemometer, available for very low air velocity measurement.
- * Slim probe, ideal for grilles & diffusers.
- * Combination of hot wire and standard thermistor, deliver rapid and precise measurements even at low air velocity value.
- * Microprocessor circuit, * m/s, km/h, ft/min, knots, mile/h.
- * Heavy duty & compact housing case.
- * Data hold, Memory (Max. & Min.)
- * Auto shut off saves battery life.
- * RS 232 PC serial interface.
- * Thermistor sensor for Temperature measurement, fast response time.
- * Applications : Environmental testing, Air conveyors, Flow hoods, Clean rooms, Air velocity, Air balancing, Fans/motors/blowers, Furnace velocity, Refrigerated case, Paint spray booths.

FEATURES

* Thermal anemometer, available for very low air velocity measurement.	* RS 232 PC serial interface.
* Slim probe, ideal for grilles & diffusers.	* The portable anemometer provides fast, accurate readings, with digital readability and the convenience of a remote probe separately.
* Combination of hot wire and standard thermistor, deliver rapid and precise measurements even at low air velocity value.	* Multi-functions for air flow measurement : m/s, km/h, ft/min, knots, mile/h.
* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.	* Build in temperature °C, °F measurement.
* Super large LCD with dual function meter's display, read the air velocity & temp. at the same time.	* Thermistor sensor for Temp. measurement, fast response time.
* Heavy duty & compact housing case.	* Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case.
* Records Maximum and Minimum readings with recall.	* Deluxe hard carrying case.
* Data hold.	* Applications : Environmental testing, Air conveyors, Flow hoods, Clean rooms, Air velocity, Air balancing, Fans/motors/blowers, Furnace velocity, Refrigerated case, Paint spray booths.
* Auto shut off saves battery life.	
* Operates from 6 PCs UM-4 batteries.	

GENERAL SPECIFICATIONS

Circuit	Custom one-chip of micro-processor LSI circuit.	Data Output	RS 232 PC serial interface.
Display	* 13 mm(0.5") Super large LCD display. * Dual function meter's display.	Operating Temperature	0 °C to 50 °C (32 °F to 122 °F).
Measurement	m/s (meters per second) km/h (kilometers per hour) ft/min (feet/per minute) knots (nautical miles per hour) mile/h(miles per hour) Temp.- °C, °F. Data hold.	Operating Humidity	Less than 80% RH.
		Power Supply	1.5 V AAA (UM-4) battery x 6 PCs. (Alkaline or heavy duty type).
		Power Current	Approx. DC 30 mA.
		Weight	355 g/0.78 LB.
		Dimension	<i>Main instrument:</i> 180 x 72 x 32 mm (7.1 x 2.8 x1.3 inch). <i>Telescope Probe :</i> Round, 12 mm Dia x 280 mm (min. length). x 940 mm (max. length).
Sensor Structure	<i>Air velocity :</i> Tiny glass bead thermistor. <i>Temperature :</i> Precision thermistor.	Accessories Included	Instruction manual..... 1 PC. Telescope Probe..... 1 PC. Hard carrying case..... 1 PC.
Memory	Maximum and Minimum with recall.	Optional	Datalogger software : SW-U801-WIN
Sampling Time	Approx. 0.8 sec.	Accessories	RS232 cable : UPCB-01
Power off	Auto shut off saves battery life or manual off by push button.		

ELECTRICAL SPECIFICATIONS (23 5°C)

Measurement	Range	Resolution	Accuracy
m/s	0.2 - 20.0 m/s	0.1 m/s	± (5 % + 1 d) reading or ± (1 % + 1 d) full scale * Depend on which is larger.
km/h	0.7 - 72.0 km/h	0.1 km/h	
ft/min	40 - 3940 ft/min	1 ft/min	
mile/h	0.5 - 44.7 mile/h	0.1 mile/h	
knots	0.4 - 38.8 knots	0.1 knots	
Temperature (°C)	0 °C to 50 °C	0.1 °C	± 0.8 °C
Temperature (°F)	32 °F to 122 °F	0.1 °F	± 1.5 °F

Note:

m/s - meters per second

ft/min - feet/per minute

mile/h - miles per hour

km/h - kilometers per hour

knots - nautical miles per hour

(international knot)