

HOT WIRE ANEMOMETER

Model : AM-4204

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

HOT WIRE ANEMOMETER, Model : AM-420



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.
* Operates from 6 PCs UM-4 batteries.	

GENERAL SPECIFICATIONS			
Circuit	Custom one-chip of micro-processor LSI circuit.	Operating Temperature	0 °C to 50 °C (32 °F to 122 °F).
Display	* 13 mm(0.5") Super large LCD display. * Dual function meter's display.	Operating Humidity	Less than 80% RH.
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.	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.		
Sampling Time	Approx. 0.8 sec.	Optional Accessories	Datalogger software : SW-U801-WIN, SW-E802
Power off	Manual off by push button.		USB cable : USB-01 RS232 cable : UPCB-01
Data Output	RS 232 PC serial interface.		

ELECTRICAL SPECIFICATIONS (23 5°C)			
Measurement	Range	Resolution	Accuracy
m/s	0.2 - 20.0 m/s	0.1 m/s	
km/h	0.7 - 72.0 km/h	0.1 km/h	± (5 % + 1 d) reading or
ft/min	40 - 3940 ft/min	1 ft/min	± (1 % + 1 d) full scale
mile/h	0.5 - 44.7 mile/h	0.1 mile/h	* Depend on which is larger.
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 km/h - kilometers per hour ft/min - feet/per minute knots - nautical miles per hour mile/h - miles per hour (international knot)			

* Appearance and specifications listed in this brochure are subject to change without notice.

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