



# HOT WIRE ANEMOMETER, Model : AM-4204

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

## GENERAL SPECIFICATIONS

Circuit	Custom one -chip of micro-processor LSI circuit.	Power off'	Auto shut off' saves battery life or manual off by push button.
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	in/s (meters per second) km/h (kilometers per hour) if/mm (feet/per minute) knots (nautical miles per hour) mile/h(miles per hour) Temp. -°C, °F. Data hold.	Operating Humidity	I s 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/0.78 113.
		Dimension	<i>Main instrument:</i> 180x72x32mm (7.1 x2.8 x1.3 inch).
Sensor Structure	<i>Air velocity:</i> Tiny glass bead thermistor.	Accessories Included	Instruction manual 1 PC. Telescope Probe 1 PC. Hard carrying case 1 PC.
	<i>Temperature:</i> Precision thermistor.		
Memory	Maximum and Minimum with recall.		
Sampling Time	Approx. 0.8 sec.		
Data Output	RS 232 PC serial interface.		

## ELECTRICAL SPECIFICATIONS (23 ± 5 °C)

Measurement	Range	Resolution	Accuracy
m/s	0.2 - 20.0 m/s	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/mm	40 - 3940 ft/mm	1 ft/mm	
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 km/h - kilometers per hour ft/mm - 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.