

# HOT WIRE ANEMOMETER

*Thermal anemometer, Low air velocity measurement*

*Telescope probe, Intelligent microprocessor circuit, RS-232*



**MODEL : AM-4204**

m/s, km/h  
km/h, ft/min, knots  
mile/h, Temp, -°C, °F  
Data hold, Max., Min.  
RS-232



Hard Carrying Case

**Lutron**

*The Art of Measurement*

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## HOT WIRE ANEMOMETER, Model : AM-4204

FEATURES	
<ul style="list-style-type: none"> <li>* Thermal anemometer, available for very low air velocity measurement.</li> <li>* Slim probe, ideal for grilles &amp; diffusers.</li> <li>* Combination of hot wire and standard thermistor, deliver rapid and precise measurements even at low air velocity value.</li> <li>* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.</li> <li>* Super large LCD with dual function meter's display, read the air velocity &amp; temp. at the same time.</li> <li>* Heavy duty &amp; compact housing case.</li> <li>* Records Maximum and Minimum readings with recall.</li> <li>* Data hold.</li> <li>* Auto shut off saves battery life.</li> <li>* Operates from 6 PCs UM-4 batteries.</li> </ul>	<ul style="list-style-type: none"> <li>* RS 232 PC serial interface.</li> <li>* The portable anemometer provides fast, accurate readings, with digital readability and the convenience of a remote probe separately.</li> <li>* Multi-functions for air flow measurement : m/s, km/h, ft/min, knots, mile/h.</li> <li>* Build in temperature °C, °F measurement.</li> <li>* Thermistor sensor for Temp. measurement, fast response time.</li> <li>* Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case.</li> <li>* Deluxe hard carrying case.</li> <li>* Applications : Environmental testing, Air conveyors, Flow hoods, Clean rooms, Air velocity, Air balancing, Fans/motors/blowers, Furnace velocity, Refrigerated case, Paint spray booths.</li> </ul>

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	<ul style="list-style-type: none"> <li>* 13 mm(0.5") Super large LCD display.</li> <li>* Dual function meter's display.</li> </ul>	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.
Sensor Structure	<i>Air velocity :</i> Tiny glass bead thermistor. <i>Temperature :</i> Precision thermistor.	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 ).
		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.		
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/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      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.