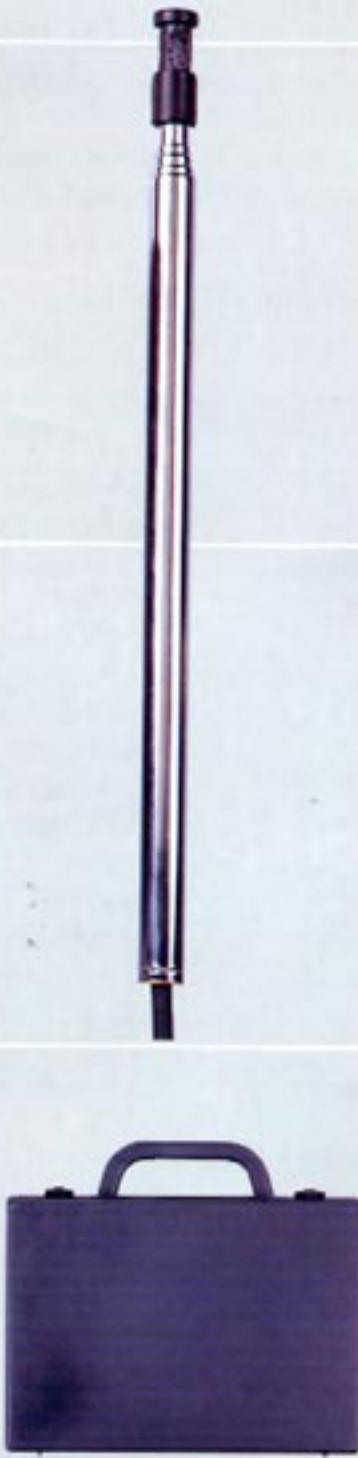


HOT WIRE ANEMOMETER

*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

<http://www.sechang.com> CATALOG 294

HOT WIRE ANEMOMETER, Model : AM-4204

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.	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	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	Main instrument: 180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch).
Sensor Structure	Air velocity : Tiny glass bead thermistor. Temperature : Precision thermistor.		Telescope Probe : Round, 12 mm Dia x 280 mm (min. length). x 940 mm (max. length).
Memory	Maximum and Minimum with recall.	Accessories Included	Instruction manual.....1 PC. Telescope Probe.....1 PC. Hard carrying case.....1 PC.
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	
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)