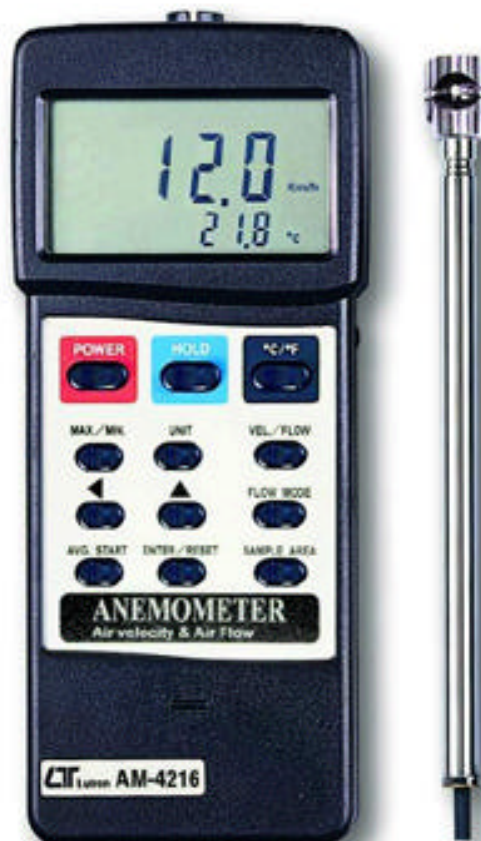


# ANEMOMETER

Mini vane, Air flow + Air velocity

Model : AM-4216



**Lutron**

*The Art of Measurement*

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# ANEMOMETER METER, mini vane , air flow + air velocity

Model : AM-4216

FEATURES	
* 13 mm dia heavy duty mini vane with telescope probe available for high temp. air velocity measurement.	* Auto shut off saves battery life.
* Air flow : CMM ( m <sup>3</sup> /min. ) and CFM ( ft <sup>3</sup> /min. )	* Thermistor sensor for temp. measurement, fast response time.
* Air velocity : m/s, ft/min, km/h, knots.	* Build-in low battery indicator.
* Air temperature : °C, °F.	* Operates from 006P DC 9V battery.
* 3 air flow mode : Instant, 2/3 Vmax, Average.	* RS 232 PC serial interface.
* Low-friction ball vane wheels is accurate in both high & low velocities.	* Separate probe, easy for operation of the different measurement environment.
* Large LCD with dual display.	* Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case.
* Record maximum and minimum reading with recall.	* Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds, temperature...etc.
* Microcomputer circuit provides special function & offer high accuracy.	
* Data hold.	

GENERAL SPECIFICATIONS			
Circuit	Exclusive one-chip of micro-computer LSI circuit.	Sampling Time	Approx. 0.8 sec.
Display	* 13 mm (0.5") Super large LCD display. * Dual function meter's display.	Operating Humidity	Less than 80% RH.
		Operating Temperature	0 °C to 50 °C ( 32 °F to 122 °F ).
Measurement	<i>Air velocity :</i> 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), <i>Air flow :</i> CMM ( m <sup>3</sup> /min. ), CFM ( ft <sup>3</sup> /min. ) <i>Air temperature :</i> °C, °F. <i>Data hold.</i>	Data Output	RS 232 PC serial interface.
		Power Supply	Alkaline or heavy duty type DC 9V battery, 006P, MN1604 (PP3) or equivalent.
		Power Current	Approx. DC 8.3 mA.
		Weight	381 g/0.84 LB.
Memory Recall	Record maximum & minimum reading value with recall.	Dimension	Main instrument: 180 x 72 x 32 mm ( 7.1 x 2.8 x 1.3 inch ). Probe : Vane - 13 mm dia. Telescope probe length - Max. 600 mm.
		Accessories Included	Instruction manual..... 1 PC. Sensor probe..... 1 PC. Carrying case..... 1 PC.
Sensor Structure	<i>Air velocity &amp; Air flow :</i> Conventional twisted van arm and low friction ball bearing design. <i>Temperature :</i> Thermistor.	Optional	Software ( Windows version, data record & data acquisition ) .....SW-U801-WIN RS232 cable.....UPCB-01
Power off	Auto shut off saves battery life or manual off by push button.		

ELECTRICAL SPECIFICATIONS (23 ± 5°C)				
<b>a. Air velocity</b>				
<i>Measurement</i>	<i>Range</i>	<i>Resolution</i>	<i>Accuracy</i>	
m/s	0.8 - 12.00 m/s	0.01 m/s	± (2% + 0.2 m/sec)	
km/h	2.8 - 43.2 km/h	0.1 km/h	± (2% + 0.2 km/h)	
mile/h	1.8 - 26.8 mile/h	0.1 mile/h	± (2% + 0.2 mile/h)	
knots	0.8 - 23.3 knots	0.1 knots	± (2% + 0.2 knots)	
ft/min	160 - 2358 ft/min	1 ft/min	± (2% + 20 ft/min)	
<b>b. Air flow</b>				
<i>Measurement</i>	<i>Range</i>	<i>Resolution</i>	<i>Area</i>	
CMM ( m <sup>3</sup> /min. )	0 - 999,900 m <sup>3</sup> /min.	0.001 - 100 m <sup>3</sup> /min.	0.001 - 9,999 m <sup>3</sup> /min.	
CFM ( ft <sup>3</sup> /min. )	0 - 999,900 ft <sup>3</sup> /min.	0.001 - 100 ft <sup>3</sup> /min.	0.001 - 9,999 ft <sup>3</sup> /min.	
<b>c. Air temperature</b>				
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	

\* Appearance and specifications listed in this brochure are subject to change without notice. 0108-AM4216