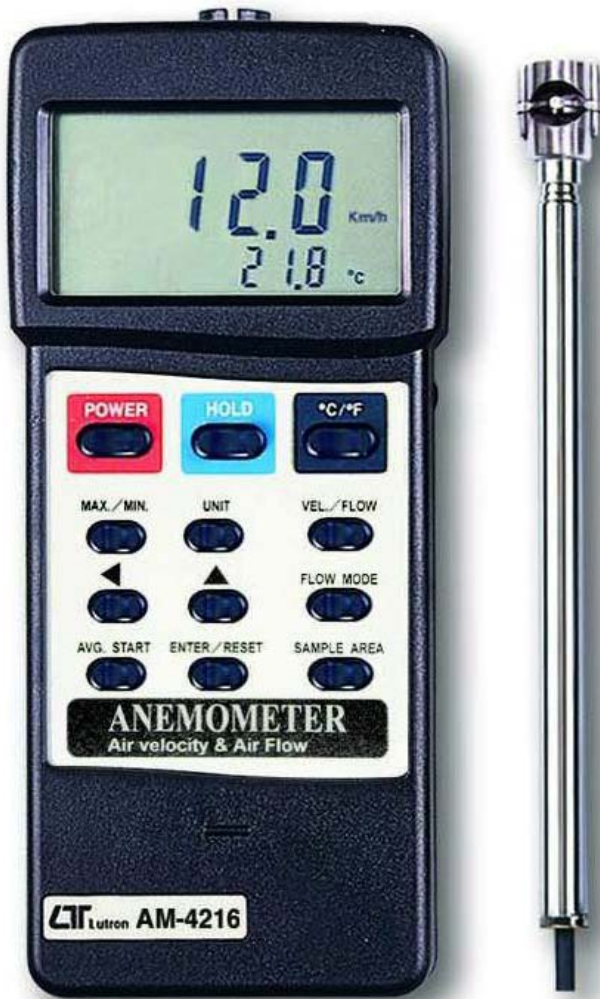


Mini Vane + Air flow + Air Velocity , CMM, CFM

# ANEMOMETER

Model : AM-4216

ISO-9001, CE, IEC1010



## FEATURES

- \* 13 mm dia heavy duty mini vane with telescope probe available for high temp. air velocity measurement.
- \* Air flow : CMM (m<sup>3</sup>/min.) and CFM (ft<sup>3</sup>/min.)
- \* Air velocity : m/s, ft/min, km/h, knots.
- \* Air temperature : °C , °F.
- \* 3 air flow mode : Instant, 2/3 Vmax, Average.
- \* Low-friction ball vane wheels is accurate in both high & low velocities.
- \* Large LCD with dual display.
- \* Record max. and min. reading value.
- \* Data hold.
- \* Microcomputer circuit.
- \* Thermistor sensor for temp. measurement, fast response time.
- \* RS 232 PC serial interface.
- \* Separate probe, easy for operation of the different measurement environment.



**Lutron**

**LUTRON ELECTRONIC**

***The Art of Measurement***

# mini vane, air flow + air velocity ANEMOMETER

Model : AM-4216

## FEATURES

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

## GENERAL SPECIFICATIONS

Circuit	Exclusive one-chip of microcomputer LSI circuit.
Display	* 13 mm (0.5") Super large LCD display. * Dual functions display.
Measurement	Air velocity: 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), Air flow: CMM ( m <sup>3</sup> /min. ) CFM ( ft <sup>3</sup> /min. ). Air temperature: °C/°F Data hold.
Sensor Structure	<i>Air velocity &amp; Air flow</i> Conventional twisted van arm and low friction ball bearing design. <i>Temperature :</i> Thermistor.

Memory Recall	Record maximum & minimum reading value with recall.	
Power off	Auto shut off saves battery life or manual off by push button.	
Sampling Time	Approx. 1 sec.	
Operating Humidity	Less than 80% RH.	
Operating Temperature	<i>Meter</i>	0 °C to 50 °C ( 32 °F to 122 °F ).
	<i>Probe</i>	0 °C to 80 °C ( 32 °F to 176 °F ).
Data Output	RS 232 PC serial interface.	
Power Supply	Alkaline or heavy duty type DC 9V battery, 006P, MN1604 (PP3) or equivalent.	
Power Consumption	Approx. DC 8.3 mA.	
Weight	381 g/0.84 LB, main instrument	
Dimension	<i>Main instrument:</i> 180 x 72 x 32 mm ( 7.1 x 2.8 x 1.3 inch ).	
	<i>Probe :</i> Vane - 13 mm dia. Telescope probe length - Max. 600 mm.	
Accessories Included	Instruction manual..... 1 PC. Sensor probe..... 1 PC. Carrying case..... 1 PC.	
Optional	RS232 cable.....UPCB-01 USB cable..... USB--01 Windows software, data record and data acquisition..... SW-U801-WIN	

## ELECTRICAL SPECIFICATIONS ( 23 ± 5 °C )

### A. Air velocity

Measurement	Range	Resolution	Accuracy
m/s	0.8 - 12.00 m/s	0.01 m/s	± (2%+0.2m/sec)
km/h	2.8 - 43.2 km/h	0.1 km/h	± (2%+0.2km/h)
mile/h	1.8 - 26.8 mile/h	0.1 mile/h	± (2%+0.2mile/h)
knots	1.6 - 23.3 knots	0.1 knots	± (2%+0.2knots)
ft/min	160 - 2358 ft/min	1 ft/min	± (2%+20 ft/min)

### B. Air flow

Measurement	Range	Resolution	Area
CMM ( m <sup>3</sup> /min. )	0-999,900 m <sup>3</sup> /min.	0.001-100	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	0.001-9,999 ft <sup>3</sup> /min.

### C. Air temperature

Measuring Range	0 °C to 80 °C/32 °F to 176 °F
Resolution	0.1 °C/0.1 °F
Accuracy	0.8 °C/1.5 °F ( < 60 °C )

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

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