

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

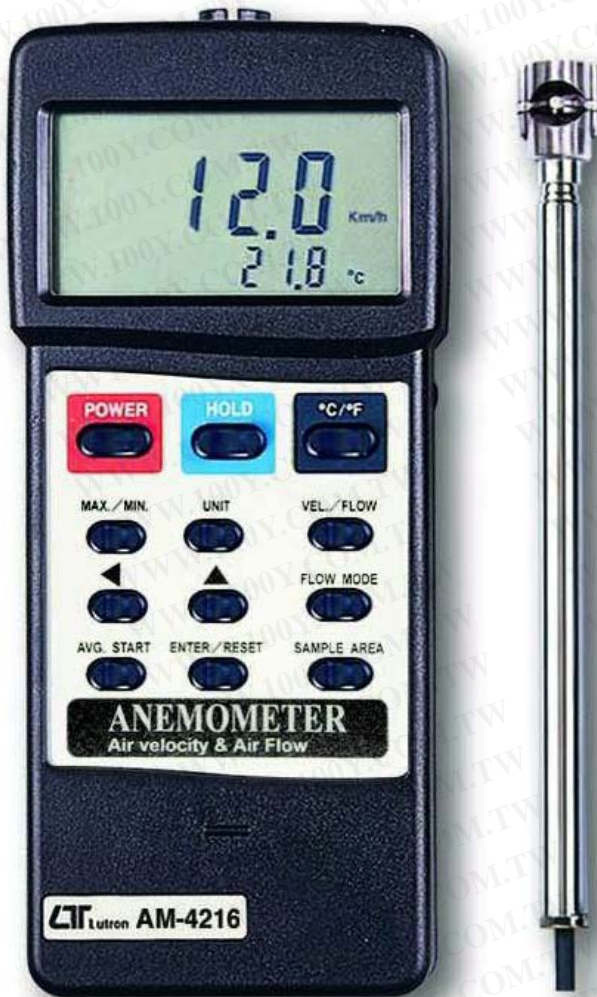
ANEMOMETER

Model : AM-4216

ISO-9001, CE, IEC1010

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FEATURES



- * 13 mm dia heavy duty mini vane with telescope probe available for high temp. air velocity measurement.
- * Air flow : CMM (m³/min.) and CFM (ft³/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.



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LUTRON ELECTRONIC

The Art of Measurement

mini vane, air flow + air velocity ANEMOMETER

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* 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 ³ /min.) CFM (ft ³ /min.). Air temperature: °C/°F Data hold.
Sensor Structure	<i>Air velocity & 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 ³ /min.)	0-999,900 m ³ /min.	0.001-100	0.001-9,999 m ³ /min.
CFM (ft ³ /min.)	0-999,900 ft ³ /min.	0.001-100	0.001-9,999 ft ³ /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.

0609-AM4216

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