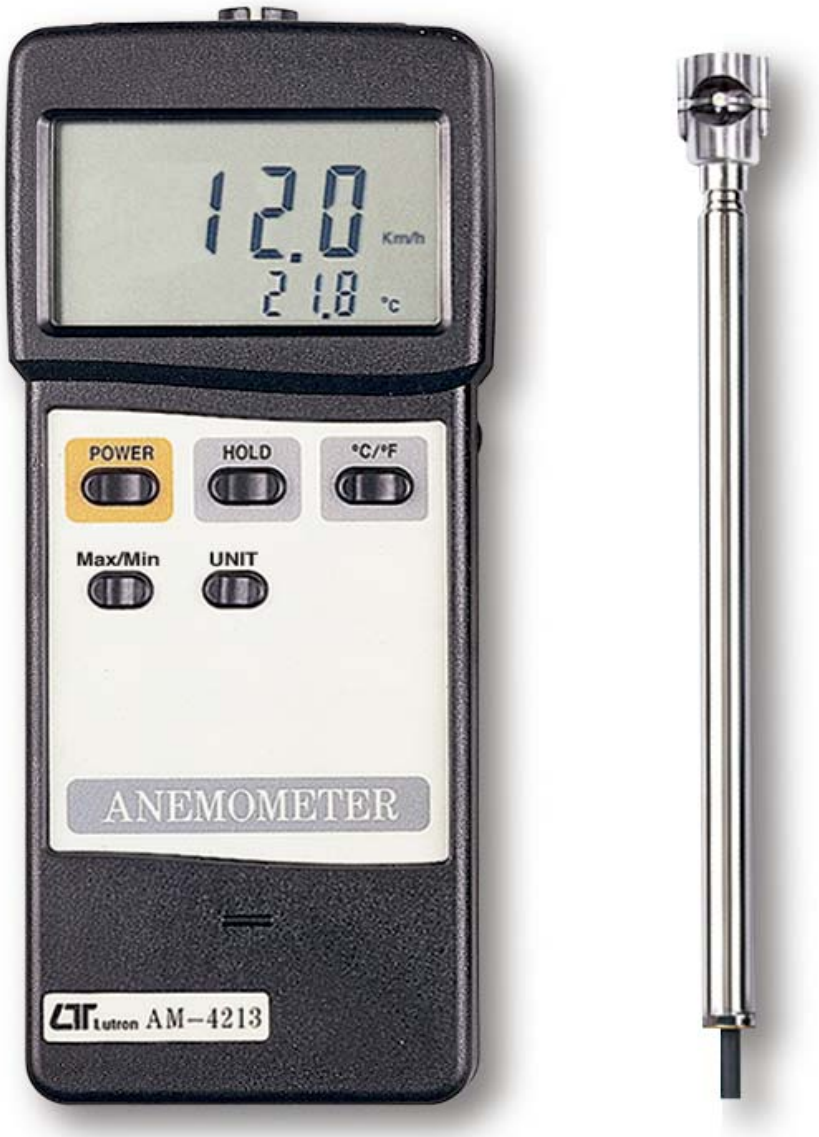
MINI VAN ANEMOMETER

Model : AM-4213

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

Mini Vane ANEMOMETER

Model : AM-4213

FEATURES

* 13 mm dia heavy duty mini vane with telescope probe available for high temp. air velocity measurement.
* Microprocessor circuit provides special functions and offer high accuracy. and features.
* Low-friction ball vane wheels is accurate in both high & low velocities.
* Multi-functions for air flow measurement : m/s, km/h, ft/min, knots. mile/h.
* Build in temperature ℃, ℉ measurement.
* Thermistor sensor for temp. measurement, fast response time.
* Large LCD display.
* Dual function meter's display.
* Heavy duty & compact housing case.
* Record maximum and minimum reading with recall.
* Data hold.
* Auto shut off saves battery life.
* 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 display.
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.- ℃, ℉., Data hold.
Sensor Structure	*Air velocity :* Conventional twisted van arm and low friction ball bearing design. *Temperature :* 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. 0.8 sec.
Operating Humidity	Less than 80% RH.
Operating Temperature	*Meter :* 0 ℃ to 50 ℃ (32 ℉ to 122 ℉). *Probe :* 0 ℃ to 80 ℃ (32 ℉ to 176 ℉).
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	270 g/0.6 LB, main instrument
Dimension	*Main instrument:* 180 x 72 x 32 mm (7.1 x 2.8 x1.3 inch). *Probe :* Vane - 13 mm dia. Telescope probe length - Max. 600 mm.
Accessories Included	Instruction manual..... Sensor probe..... Carrying case.....
Optional Accessories	RS232 cable.....UPCB-01 Software.....SW-U801-WIN

ELECTRICAL SPECIFICATIONS (23 ± 5 ℃)

A. Air velocity

Measure-ment	Range	Resolution	
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)

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)

B. Temperature

Measuring Range	0 ℃ to 80 ℃/32 ℉ to 176 ℉
Resolution	± 0.1 ℃/0.1 ℉
Accuracy Accuracy	± 0.8 ℃/1.5 ℉

* Appearance and specifications listed in this brochure are subject to change without notice. 0510-AM4213