ANEMOMETER RS232

Model : AM-4203

ISO-9001, CE, IEC1010

m/s

0.0

23.4 °C

POWER   HOLD   °C/°F

Max/Min   UNIT

ANEMOMETER

Lutron AM-4203

The probe should be used < 25 m/s, otherwise the blade may brake and cause danger.

SGS   UKAS MANAGEMENT SYSTEMS 0005
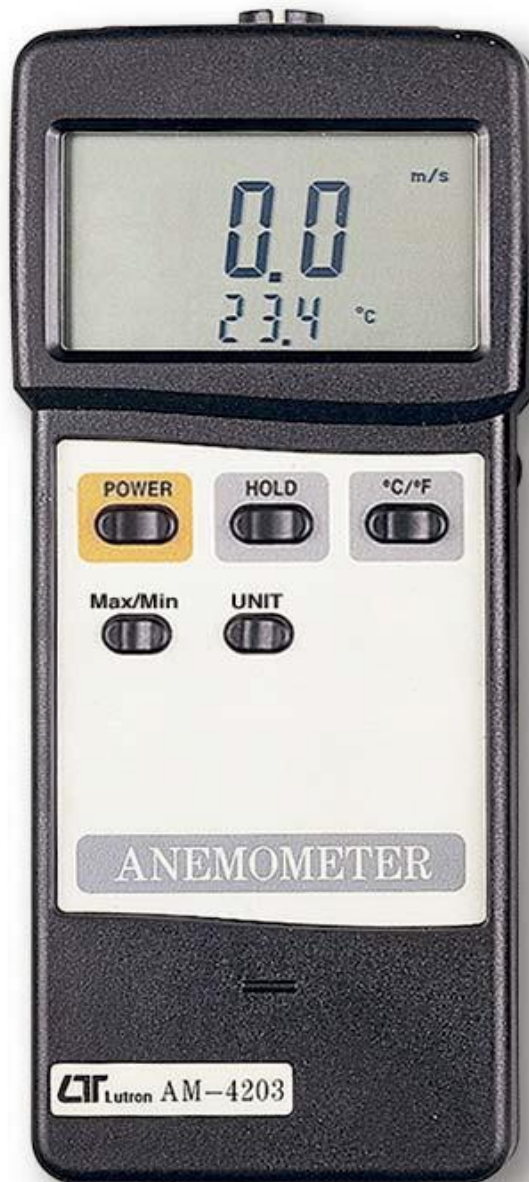
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The Art of Measurement

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DIGITAL ANEMOMETER
Model : AM-4203

FEATURES

* Microprocessor circuit ensures high accuracy and provides special functions and features.
* Super large LCD display, display the air low and the temperature reading at the same time.
* Dual function display.
* Heavy duty & compact case.
* Records Maximum and Minimum readings with recall facilities.
* Data hold.
* Auto power off saves battery life.
* Operates from 9V battery.
* RS 232 PC serial interface.
* Low-friction ball vane wheels is accurate in both high & low velocities.
* The portable anemometer provides fast, accurate readings, with digital readability and the convenience of a remote sensor separately.
* Multi-functions air flow measurement: m/s, km/h, ft/min, knots. mile/h.
* Build in temperature measurement ℃/℉.
* Thermocouple sensor for Temp. measurement, fast response time.
* Uses durable, long-lasting components, enclosed in strong, light weight ABS-plastic housing.
* Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds, temperature...etc.

Sensor Structure	Air velocity sensor : Conventional twisted vane arms and low-friction ball-bearing design. Temperature sensor : Precision thermistor.
Data Output	RS 232 PC serial interface.
Over load indication	Indicated by "- - - -".
Operating Temperature	0 ℃ to 50 ℃(32 ℉ to 122 ℉).
Operating Humidity	Max. 80% RH.
Power Supply	Heavy duty type DC 9V battery, 006P, MN1604(PP3) or equivalent.
Power Current	Approx. DC 8.3 mA.
Weight	381 g/0.84 LB (included batteries & probe)
Size	Main instrument: 180 x 72 x 32 mm(7.1 x 2.8 x1.3 inch). Sensor Head: Round,72 mm Dia.
Accessories Included	Instruction manual.............1 PC. Sensor probe.....................1 PC. carrying case.....................1 PC.
Optional Accessories	* RS232 cable, UPCB-02. * USB cable, USB-01 * Data Acquisition software, SW-U801-WIN.

Circuit	Custom one-chip microprocessor LSI circuit.
Display	Dual function display, 13 mm(0.5") super large LCD display with contrast adjustment for best viewing angle.
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.
Memory Recall	Records Maximum and Minimum readings with recall.
Power off	Manual off by push button or Auto shut off after 10 minuite(Not activated during memory record function).

ELECTRICAL SPECIFICATIONS (23 ± 5 ℃)

A. Air velocity

Measurement	Range	Resolution	Accuracy
m/s	0.4 - 25.0 m/s	0.1 m/s	± (2% + 0.2 m/s)
km/h	1.4 - 90.0 km/h	0.1 km/h	± (2% + 0.8 km/h)
mile/h	0.9 - 55.9 mile/h	0.1 mile/h	± (2% + 0.4 mile/h)
knots	0.8 - 48.6 knots	0.1 knots	± (2% + 0.4 knots)
ft/min	80 - 4930 ft/min	1 ft/min	± (2%+40 ft/min.)

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)

B. Temperature

Measuring Range	0 ℃ to 50 ℃/32 ℉ to 122 ℉
Resolution	± 0.1 ℃/0.1 ℉
Accuracy	± 0.8 ℃/1.5 ℉