

ANEMOMETER *air flow & air velocity*

*Air Velocity, Air Flow (CMM, CFM), Intelligent
Air Flow for Instant, 2/3 V Max., Average, RS232*



Model : AM-4206



Software (optional)
Model: SW-U101-WIN

Lutron

The Art of Measurement

B210700

ANEMOMETER METER, air flow + air velocity, Model : AM – 4206

FEATURES

| | |
|---|---|
| * Air flow : CMM (m ³ /min.) and CFM (ft ³ /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. |
| * Data hold. | |
| * Microcomputer circuit provides special function & offer high accuracy. | |
| * Auto shut off saves battery life. | |

GENERAL SPECIFICATIONS

| | | | |
|------------------|--|-----------------------|--|
| Circuit | Exclusive one-chip of micro-computer LSI circuit. | Power off | Auto shut off saves battery life or manual off by push button. |
| Display | * 13 mm (0.5") Super large LCD display. * Dual function meter's display. | Sampling Time | Approx. 0.8 sec. |
| 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 ³ /min.), CFM (ft ³ /min.) <i>Air temperature :</i> °C, °F. <i>Data hold.</i> | Operating Humidity | Less than 80% RH. |
| | | Operating Temperature | 0 °C to 50 °C (32 °F to 122 °F). |
| | | Data Output | RS 232 PC serial interface. |
| | | Power Supply | Alkaline or heavy duty type DC 9V battery, 006P, MN1604 (PP3) or equivalent. |
| Memory Recall | Record maximum & minimum reading value with recall. | Power Current | Approx. DC 8.3 mA. |
| | | Weight | 381 g/0.84 L.B. |
| Sensor Structure | <i>Air velocity & Air flow :</i> Conventional twisted van arm and low friction ball bearing design. <i>Temperature :</i> Thermistor. | Dimension | Main instrument: 180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch). Sensor head : Round, 72 mm Dia. |
| | | Accessories Included | Instruction manual..... 1 PC. Sensor probe..... 1 PC. Carrying case..... 1 PC. |
| | | Optional Accessories | Software (Windows version, data record & data acquisition)SW-U101-WIN RS232 cable....UPCB-01 |

ELECTRICAL SPECIFICATIONS (23 ± 5°C)

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| a. Air velocity | | | |
| <i>Measurement</i> | <i>Range</i> | <i>Resolution</i> | <i>Accuracy</i> |
| m/s | 0.4 – 25.00 m/s | 0.01 m/s | ± (2% + 0.2 m/sec) |
| km/h | 1.4 – 90.0 km/h | 0.1 km/h | ± (2% + 0.2 km/h) |
| mile/h | 0.9 – 55.9 mile/h | 0.1 mile/h | ± (2% + 0.2 mile/h) |
| knots | 0.8 – 48.6 knots | 0.1 knots | ± (2% + 0.2 knots) |
| ft/min | 80 – 4921 ft/min | 1 ft/min | ± (2% + 20 ft/min) |
| b. Air flow | | | |
| <i>Measurement</i> | <i>Range</i> | <i>Resolution</i> | <i>Area</i> |
| CMM (m ³ /min.) | 0 – 999,900 m ³ /min. | 0.001 – 100 m ³ /min. | 0.001 – 9,999 m ³ /min. |
| CFM (ft ³ /min.) | 0 – 999,900 ft ³ /min. | 0.001 – 100 ft ³ /min. | 0.001 – 9,999 ft ³ /min. |
| c. Air temperature | | | |
| 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.

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