

HOT WIRE ANEMOMETER

Model : AM-4204HA

ISO-9001, CE, IEC1010



FEATURES

- * Thermal anemometer, available for very low air velocity measurement.
- * Slim probe, ideal for grilles and diffusers.
- * Combination of hot wire and standard thermistor, deliver rapid and precise measurements even at low air velocity.
- * Heavy duty & compact housing case.
- * Records Maximum and Minimum readings with recall.
- * Data hold.
- * Multi-functions for air flow measurement : m/s, km/h, ft/min, knots, mile/h.
- * Build in temperature °C, °F measurement.
- * Thermistor sensor for Temp. measurement, fast response time.
- * Deluxe hard carrying case.



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The Art of Measurement

HOT WIRE ANEMOMETER

Model : AM-4204HA

| FEATURES | |
|---|--|
| * Thermal anemometer, available for very low air velocity measurement. | * The portable anemometer provides fast, accurate readings, with digital readability and the convenience of a remote probe separately. |
| * Slim probe, ideal for grilles & diffusers. | |
| * Combination of hot wire and standard thermistor, deliver rapid and precise measurements even at low air velocity value. | * Multi-functions for air flow measurement : m/s, km/h, ft/min, knots, mile/h. |
| * Microprocessor circuit assures maximum possible accuracy, provides special functions and features. | * Build in temperature °C, °F measurement. |
| * Super large LCD with dual function meter's display, read the air velocity & temp. at the same time. | * Thermistor sensor for Temp. measurement, fast response time. |
| * Heavy duty & compact housing case. | * Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case. |
| * Records Maximum and Minimum readings with recall. | * Deluxe hard carrying case. |
| * Data hold. | * Applications : Environmental testing, Air conveyors, Flow hoods, Clean rooms, Air velocity, Air balancing, Fans/motors/blowers, Furnace velocity, Refrigerated case, Paint spray booths. |
| * Auto shut off saves battery life. | |
| * Operates from 6 PCs UM-4 batteries. | |

| GENERAL SPECIFICATIONS | | | |
|------------------------|--|-----------------------|---|
| Circuit | Custom one-chip of micro-processor 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. | Operating Temperature | 0 °C to 50 °C (32 °F to 122 °F). |
| 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.- °C, °F. Data hold. | Operating Humidity | Less than 80% RH. |
| | | Power Supply | 1.5 V AAA (UM-4) battery x 6 PCs. (Alkaline or heavy duty type). |
| | | Power Current | Approx. DC 30 mA. |
| | | Weight | 355 g/0.78 LB. |
| | | Dimension | <i>Main instrument:</i> 185 x 78 x 38 mm (7.2 x 3.0 x 1.4 inch) <i>Telescope Probe :</i> Round, 12 mm Dia x 280 mm (min. length). x 940 mm (max. length). |
| Sensor Structure | <i>Air velocity :</i> Tiny glass bead thermistor. <i>Temperature :</i> Precision thermistor. | Accessories Included | Instruction manual..... 1 PC. Telescope Probe..... 1 PC. Hard carrying case..... 1 PC. |
| Memory | Maximum and Minimum with recall. | | |
| Sampling Time | Approx. 0.8 sec. | | |

| ELECTRICAL SPECIFICATIONS (23 ± 5°C) | | | |
|---|-------------------|------------|--|
| Measurement | Range | Resolution | Accuracy |
| m/s | 0.2 - 20.0 m/s | 0.1 m/s | ± (5 % + 1 d) reading or ± (1 % + 1 d) full scale * <i>Depend on which is larger.</i> |
| km/h | 0.7 - 72.0 km/h | 0.1 km/h | |
| ft/min | 40 - 3940 ft/min | 1 ft/min | |
| mile/h | 0.5 - 44.7 mile/h | 0.1 mile/h | |
| knots | 0.4 - 38.8 knots | 0.1 knots | |
| 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 |
| <p><i>Note:</i> <i>m/s - meters per second km/h - kilometers per hour</i> <i>ft/min - feet/per minute knots - nautical miles per hour</i> <i>mile/h - miles per hour (international knot)</i></p> | | | |

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