

## Product ID: AVM 714

### HOT WIRE ANEMOMETER AVM 714 ( AVM 714)

#### HOT WIRE AVM 714

1. Thermal Anemometer, available for very low air velocity measurement.
2. RS 232 PC serial interface.
3. Multi-functions for air flow measurement: m/s, km/h, ft/min, knots, mile/h.
4. The portable anemometer provides fast accurate reading with digital readability and the convenience of a remote probe separately.
5. Slim probe, ideal for grillers & diffusers,
6. Combination of hot wire and standard thermistor, deliver rapid and precise measurements even at low air velocity value.
7. Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
8. Super large LCD with dual function meter display, read the air velocity and temp. at the same time.
9. Heavy duty and compact housing case.
10. Records maximum and minimum readings with recall function.
11. Data hold
12. Auto power off to save battery life
13. Built in temperature deg C and deg F measurement.
14. Thermistor sensor for Temp. Measurement, fast response time
15. Used the durable, long-lasting components, including a strong, light weight ABS plastic housing case.
16. Deluxe hard carrying case
17. Applications: Environmental testing, air conveyors, flow hoods, clean rooms, air velocity, air balancing, fans/motors/blowers/furnace velocity, refrigerated case.
13. Operates from 6 pcs UM-4 batteries
14. Optional PC software.



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## Specifications:

- AVM 714 SPECIFICATIONS:
  - 1. Custom one-chip of micro processor LSi Circuit.
  - 2. Large display 13mm (0.5") super large LCD display with dual function meter display
  - 3. Measurement : m/s (meter per second), km/h (kilometers per hour), ft/min (feet per minute), knots (nautical miles per hour), mile/h (miles per hour), Temp. deg C and deg F. Data hold
  - 4. Sensor Structure: Air velocity: Tiny laser bead thermistor, Temperature: precision thermistor,
  - 5. Memory: Maximum and Minimum with recall.
  - 6. Sampling Time : Approx. 0.8 sec.
  - 7. Data output: RS-232 PC serial Interface.
  - 8. Power off: Auto power off to save battery life or manual off by push button.
  - 9. Operating Temperature: 0 to 50 deg C (32 deg F to 122 deg F)
  - 10. Operating Humidity: Less than 80% RH

สนใจติดต่อ บริษัท เอเม็ท จำกัด 11/13 หมู่ 5 ถ.สุขนครสวัสดิ์ แขวงลาดพร้าว เขตลาดพร้าว กทม. 10230



- 11. Power Supply : 1.5V AAA (UM-4 ) battery x 6 (Alkaline or heavy duty type)
- 12. Weight: 355 g/0.78 lbs
- 13. Dimension Main Instrument: 180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch)
- 14. Telescope Probe: Round 12 mm Dia x 280 mm (min Length) x 940 mm (Max length)
- 15. Accessores Included: Instruction Manual x 1, Telescope probe x 1 , Hard carrying case x 1
- Electrical Specifications ( 23+/- 5 deg C)
  - Measurement
  - 1. m/s Range: 0.2 ~20.0 m/s with 0.1m/s resolution , +/- (5% +1 d) reading
  - 2. km/h Range: 0.7 ~ 72.0 km/h with 0.1 km/h resolution.
  - 3. ft/min Range: 40~3940 ft/min with 1ft/min
  - 4. MPH Range: 0.5 ~ 44.7 MPH with 0.1 MPH resolution
  - 5. Knots Range: 1.0 ~ 31.1 knots with 0.1 knots resolution
  - 6. Temperature Range: 0 ~ 50 deg C (32 ~ 122 deg F) with 0.1 deg C/F resolution.

7. Basic Accuracy: Air Velocity: +/- (3%+1 digit) reading or +/- (1%+1 digit) full scale, whichever is larger ; Temperature +/-0.8 deg C +/-1.5 deg F.

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