

# Metrix+™

## Innovative Excellence

# Digital Thermo-Anemometer

## AVM 05

Widely used in data collection for boiler, refrigeration industry, ventilation duct, environment monitor, navigation measurement, weather forecast, collection of the weather datum for outdoor busywork and fire department.

- \* Wide applications: use to check air conditioning & heating systems, measure air velocity, wind speed, temperature, etc.
- \* Multifunctional. the measurement unit can be selected according to different requirements.
- \* Maximum value data hold function.
- \* DATA HOLD function for storing 24 groups of data.
- \* Low-friction ball-bearing design allows free vane movement.
- \* Separate type design, convenient to measure.
- \* Automatic Power off, 0-9 minutes set by users.
- Use "USB data output" and "RS-232 data output" to connect with PC.



### General Specifications:

Model	<b>Metrix+ AVM 05</b>
Display	0.5" (13 mm) 4-digit LCD
Measurement Units	Air Velocity: m/s, km/h, ft/min, knots
	Air Flow: CMM (m <sup>3</sup> /min), CFM (ft <sup>3</sup> /min)
	Beaufort Scale: Force
	Wave Height: m
	Temperature: °C, °F
Data Hold	Maximum Value
Data Memorized	24 Groups
Sampling Rate	Reading Per Second Approx
Sensors	Air Velocity / Flow Sensor: Conventional Angled Vane Arms with Low-friction Ball Bearing
	Temperature Sensor: Precision Thermistor
Automatic Power Off	0 ~ 9 Minutes Set by Users
Operating Conditions	Temperature: 0 ~ 50 °C (32 ~ 122 °F) Humidity: < 80 %RH
Power Supply	4 x 1.5v AAA size (UM-4) battery
Dimensions	Main Unit: 156 x 67 x 28 mm (6.1 x 2.6 x 1.1 inch)
	Sensor Head: 72 mm Diameter
Weight	260 g / 0.57 lb (not including Batteries)

### Test Range Specification:

Range	Resolution	Accuracy		
Air Velocity	m/s (meters/sec)	0.4 ~ 45.0	0.1 m/s	± (2% n + 0.1 m/s)
	km/h (kilo-meters/hour)	1.4 ~ 162.0	0.1 km/h	± (2% n + 0.1 km/h)
	ft/min (feet/minute)	80 ~ 8860	0.1 ft/min	± (2% n + 1 ft/min)
	knots (nautical MPH)	0.8 ~ 88.0	0.1 knots	± (2% n + 0.1 nots)
Air Flow	CMM (cubic meters/min)	0 ~ 9999	0.001 ~ 1	± (2% n + 1 m <sup>3</sup> /min)
	CFM (cubic ft/min)	0 ~ 9999	0.001 ~ 1	± (2% n + 1 ft <sup>3</sup> /min)
Beaufort Scale		0 ~ 12	0.1	± 0.5
Wave Height (Meter)		0 ~ 14	0.1	± 0.1
Air Temperature		32 ~ 140 °F	0.1 °F	0.9 °F
		0 ~ 60 °C	0.1 °C	0.5 °C