

INTRODUCTION

The Metravi AVM-10 Digital Hot Wire Anemometer features a dual display and is used for measuring very low air velocity plus temperature, simultaneously.

It has a thin, telescopic probe for using in ducts and ceiling ventilating systems and is easy and accurate to read, even in low light areas, with a large backlit LCD display. Features Data Logging with a USB PC Interface.

FEATURES

- Thermal anemometer for very low air velocity measurement.
- Slim probe, ideal for grills & diffusers.
- Combination of hot wire and standard thermistor, delivers rapid and precise measurements.
- Records maximum/minimum readings with recall & Data Hold.
- Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
- Super large LCD display with back light, reading the air velocity & temp. at the same time.
- Data Logging when connected to PC
- Battery-powered.
- Provides fast, accurate readings, with digital readability.
- Multi-functions for air flow measurement: m/s, km/h, ft/min, MPH, knots
- Temperature in °C / °F.

APPLICATIONS

- Environmental testing
- Air conveyors
- Flow hoods
- Clean rooms
- Air velocity
- Air balancing
- Fans/motors/blowers
- Furnace velocity
- Refrigerated case
- Paint spray booths



*Technical Specifications & Appearance are subject to change without prior notice

TECHNICAL SPECIFICATIONS

Air Velocity			
Measurement	Range	Resolution	Accuracy
m/s	0.1~25.0m/s	0.01m/s	±(5% of rdg ± 1 Digit)
km/h	0.3~90.0km/h	0.1km/h	
ft/min	20~4925ft/min	1ft/min	
MPH	0.2~ 55.8 MPH	0.1MPH	
knots	0.2~48.5knots	0.1knots	
Notes:			
m/s - meters per second km/h -kilometers per hour			
ft/min -feet per minute MPH -miles per hour			
knots- nautical miles per hour			
Temperature			
Measuring Range		0 °C to 50 °C (32°F to 122°F)	
Resolution		0.1°C /0.1°F	
Accuracy		±1°C /1.8°F	



GENERAL SPECIFICATIONS

Display	46.7x60mm large backlit LCD Dual display
Measurement units	m/s (meters per second) km/h (kilometers per hour) ft/min (feet per minute) MPH (miles per hour) knots (nautical miles per hour) Temperature Data Hold
Interface	USB PC Interface
Memory	Max, Min, Recall*, Data Logging*
Sampling	Approx.0.8 sec
Operating Temperature	0°C to 50°C (32°F to 122°F)
Operating Humidity	Less than 80% RH
Power Supply	9V Battery or 220V Mains Operated
Power Current	Approx. DC 60~90mA
Weight	280g
Dimension	210mm×75mm×50mm
Accessories included	Hot Wire Probe, 9V Battery, Software CD, USB Cable, Mains Adaptor, User Manual, Carrying Case



*available only when connected to the PC using USB Interface

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