

Thermo- Anemometers

Technical Data



MT945

The MT945 is microprocessor designed for low air velocity and the slim probe makes it ideal for grilles and diffuses. The combination of hot wire and standard thermistor, delivers rapid and precise measurements even at low velocity values. The telescoping probe is ideal for measuring HVAC ducts and other small vents.

Features Include:

- Thermal anemometer, available for low air velocity measurement
- Slim probe is ideal for grilles and diffusers
- Combination of hot wire and standard thermistor deliver rapid and precise measurements
- Temperature measurement from -0°C to 50°C
- Resolution 0.01m/s
- MIN/MAX Record mode
- Thermistor sensor for temperature measurement ensures fast response
- Displays Air Velocity and Temperature simultaneously
- Wind speed measure in MPH, ft/min, Km/h, m/s or Knots
- Selectable °C or °F
- Data Hold function
- Ideal Applications - Environmental testing, Air Conveyors, Flow Hoods, Fans, Motors, Blowers, Clean Rooms, refrigerated case, Air balancing, Furnace velocity & Paint Spray Booths

General Specifications

Circuit	: Custom one-chip of microprocessor LSI circuit
Display	: 13mm (0.5") super large LCD display : Dual function meter's display
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
Sensor Structure	Air Velocity: tiny glass bead thermistor Temperature: precision themistor
Memory	Maximum and minimum with recall
Sampling Time	Approx. 0.8 sec
Operating Temperature	0°C to 50°C (32 to 122°F)
Operating Humidity	Less than 80% RH
Power Supply	1.5V AAA (UM-4) battery X 6pcs (alkaline or heavy duty type)
Power Current	Approx. DC 30 mA
Weight	355g (0.78lbs)
Dimensions	Main instrument: 185 X 78 X 38mm Telescope Probe: 12mm diameter X 280mm (min. length) 12mm diameter X 940mm (max. length)
Accessories Included	Instruction Manual.....1pce Telescope probe.....1pce Hard carrying case.....1pce

Air Velocity	Range	Resolution	Accuracy
m/s	0.2 - 20.00 m/s	0.01m/s	± (5% + 1d) reading or ± (1% + 1d) full scale
km/h	0.7 - 72.0 km/h	0.1 km/h	
ft/min	40 - 3940 ft/min	1ft/min	
mph	0.5 - 44.7 mph	0.1 mph	
knots	0.4 to 38.8 knots	0.1 knots	
Temperature			
Measuring Range	0°C to 50°C/32°F to 122°F		
Resolution	0.1°C/0.1°F		
Accuracy	0.8°C/1.5°F		