

TMA10A

Anemometer Thermometer

Anemometer with remote vane

The TMA10A is ideal for HVAC/R technicians measuring Heat/Ventilation/Air conditioning/Refrigeration wind flow and temperature in residential, commercial and industrial air conditioning systems. It offers numerous functions—use it to check air velocity FPM (Feet per minute), air volume (flow) CFM (Cubic feet per minute) plus the remote vane allows greater measurement location flexibility. Switch between °C and °F. Input the area of airflow measurement to gain accurate air velocity results. Measure an air flow source for a continuous moving average for up to two hours. Determine minimum, maximum and average readings from a single point air source.

Large dual display to view both air flow or velocity measurement plus temperature. Long extended flexible cord for remote vane access capabilities.

All the TMA10A measurements can be output to a computer for charting or analysis by optional model TM-SWA software and RS232 cable. Shipped in a deluxe hard carry case to protect and transport your Anemometer.

TMA10A Features

- Measure CFM by inputting the vent dimensions
- Obtain air flow average by taking up to eight data points
- Vane has three foot cord for measurement flexibility
- Deluxe carrying case



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Specifications

General Specifications	
Display	Dual 4-digit (9999 count) LCD
Operation temperature	32 °F to 122 °F (0 °C to 50 °C)
Operating humidity	Max. 80 % RH
Power supply	9 V battery (heavy-duty alkaline)
Battery life	100 hours
Dimensions Main instrument	181 mm x 71 mm x 38 mm (7.1 in x 2.8 in x 1.4 in)
Weight	363 g (0.8 lb) including battery and sensor
Warranty	One-year

Measurement Accuracy

Function	Range	Resolution	Accuracy
<i>Air Velocity</i> m/s (meters per sec)	0.40 to 10.00 m/s	0.01 m/s	±0.5 m/s
	10.00 to 25.00 m/s		±0.75 m/s
ft/min (feet per minute)	80 to 1965 ft/min	1 ft/min	±100 ft/min
	1965 to 4900 ft/min		±150 ft/min
<i>Air Flow</i> CMS (cubic meters per sec)	0.01 m to 99.99 m³/sec	0.01	0 to 9.999 m
CFM (cubic feet per minute)	1 ft to 9999 ft³/min	1.0	0 to 9.999 ft
<i>Air Temperature</i> °C (°F)	0 °C to 50 °C (32 to 122 °F)	0.1 °C/(°F)	± 0.8 °C (1.5 °F)
Data hold	Freezes displayed reading		
Sensors	Air velocity/flow sensor: Conventional angled vane arms with low friction ball bearing		
Temperature sensor	Precision thermistor		
Sensor head diameter	70 mm		
MIN/MAX memory	Record and view minimum and maximum readings		
Average reading memory	Single point (up to 2 hours) or multi-point (up to 8 readings)		
Automatic power off	Sleep mode (with bypass) after 20 minutes to conserve energy		
Measurement Units Air velocity	ft/min (feet per minute); m/s (meters per second)		
Air flow	CMS (m³/sec) and CFM (ft³/min)		
Temperature	°C and °F		

Included Accessories: TMA10A Anemometer with remote vane and cord, deluxe hard plastic carrying case, battery (installed) and user manual

- Optional Accessories:** TM-SWA RS232 Cable and Software
- Record both channels simultaneously
 - Store real-time results for further analysis
 - Chart measurements for trends
 - View time stamp for event analysis

For complete specifications, please download the product manual on amprobe.com

All Amprobe tools, including the Amprobe TMA10A, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.

