



## CFM/CMM Thermo-Anemometer with IR temperature

**Product Code : MAN-745**

The CFM/CMM Thermo-Anemometer with Infrared Thermometer measures Air Velocity, Air Flow (volume), Air Temperature (with probe) and Surface Temperature (with the Infrared function). The large, easy-to-read backlit LCD includes primary and secondary displays plus numerous status indicators. The Infrared feature includes a laser pointer for convenient targeting. In addition, the meter can store 16 area setting dimension for easy recall. Proper use of this meter will provide years of reliable service.

### Features:

- ✓ **MAX** (top of LCD): Max Hold function engaged for the Air Temperature function
- ✓ **HOLD** (top of LCD): Data Hold function engaged for the Air Temperature function
- ✓ **PROBE TEMP**: Reminder that the top LCD digits represent Air (Vane) Temperature
- ✓  : Indicates that the laser pointer is on.
- ✓ **IR TEMP**: Indicates that the larger LCD digits represent IR temperature measurement
- ✓ **VEL**: indicates that meter is in air velocity mode
- ✓ **FLOW**: indicates that meter is in air flow mode
- ✓ **MAX** (bottom of LCD): Max Hold for the IR Temperature and RH function
- ✓ **HOLD** (bottom of LCD): Data Hold for the IR Temperature function and RH function
- ✓ **°C / °F**: Temperature units of measure
- ✓ **CFM/CMM**: airflow units of measure
- ✓ **Ft<sup>2</sup>, m<sup>2</sup>**: units for area dimensions
- ✓ **m/s, ft/min, km/h, MPH, knots**: air velocity units of measure
- ✓ **X10, X100**: multipliers for air flow readings
- ✓ **AVG**: air averaging mode
- ✓ **RECORD**: indicates that min/max function is running (top for temp, bottom for air)
- ✓ Large LCD digits at center of display for Relative Humidity and IR Temperature
- ✓ Smaller LCD digits at top, right of display for Probe Temperature
- ✓  : Low battery indicator

## Specifications:

Air Velocity	Range	Resolution	Accuracy
m/s (meters per sec)	0.40 - 30.00 m/s	0.01 m/s	± (3%rdg + 0.20 m/s)
km/h (kilometers/hour)	1.4 - 108.0 km/h	0.1 km/h	± (3%rdg + 0.8 km/hr)
ft/min (feet per minute)	80 – 5900 ft/min	1 ft/min	± (3%rdg + 40 ft/m)
mph (miles per hour)	0.9 – 67.0 mph	0.1 mph	± (3%rdg + 0.4 MPH)
knots (nautical MPH)	0.8 to 58.0 knots	0.1 knots	± (3%rdg + 0.4 knots)
Air Flow	Range	Resolution	Area
CMM	0-999999 m <sup>3</sup> /min	0.1	0 to 999.9m <sup>2</sup>
CFM (cubic ft/min)	0-999999 ft <sup>3</sup> /min	0.1	0 to 999.9ft <sup>2</sup>
Air Temperature	Range	Resolution	Accuracy
	14 - 140°F (-10 - 60°C)	0.1°F/C	4.0°F (2.0°C)
Infrared Temperature	Range	Resolution	Accuracy
	-58 to -4°F (-50 to -20°C)	1°F/C	±9.0oF (5.0oC)
	-4 to 500°F (-20 to 260°C)		±2% reading or ±4°F (2°C) whichever is greater