



DT-8894

CFM/CMM THERMO-ANEMOMETER + IR THERMOMETER

- | CFM/CMM Thermo-Anemometer with built-in non-contact IR Thermometer measures remote surface temperatures to 932°F (500°C) with 30:1 distance to spot ratio and Laser Pointer
- | Simultaneous display of Air Flow or Air Velocity plus Ambient Temperature
- | Up to 8 easy to set dimensions (ft² or cm²) are stored in the meter's internal memory
- | 20 point average for Air Flow and Air velocity
- | Super large LCD Backlit Display
- | 3% velocity accuracy via low friction 2.83"D (72mm) ball bearing vane wheel on 3.9ft (120cm) cable
- | Data Hold and Max/Min
- | Can set Auto Power off or disable it
- | Complete with vane sensor with 3.9ft (120cm) cable, 9V battery, and protective rubber holster

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Applications

HVAC installation, repair, diagnostics and optimization.
Fume hood testing, installation and verification.
Ventilation system installation, servicing and analysis.
Environmental wind and temperature testing/analysis.
Boiler rooms.
Ionizer flow output monitoring.
Automobile aerodynamic testing.
Plant/Facilities Maintenance.

Technical Specifications

Air Velocity	Range	Resolution	Accuracy
m/s	0.40 - 30.00	0.01	±3% ±0.20 m/s
ft/min	80 - 5900	1	±3% ±40 ft/min
km/h	1.4 - 108.0	0.1	±3% ±0.8 km/h
MPH	0.9 - 67.0	0.1	±3% ±0.4 MPH
Knots	0.8 - 58.0	0.1	±3% ±0.4 knots
Air Flow	Range	Resolution	Area
CFM	0-999900	0.001	0-999.9 ft ²
CMM	0-999900	0.001	0-999.9 m ²
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)	0.1°F/C	±9.0°F (5.0°C)
	-4 to 932°F (-20 to 500°C)	0.1°F/C	±2% reading or ±4°F (2°C)

CFM(ft³/min)=Air Velocity(ft/min)XArea(ft²)

CMM(m³/min)=Air Velocity(m/s)XArea(m²)X60

CFM : cubic feet per minute

CMM : cubic meters per minute

	m/s	ft/min	km/h	MPH	knot
1 m/s	1	196.87	3.60	2.24	1.944
1 ft/min	0.00508	1	0.01829	0.01138	0.00987
1 km/h	0.2778	54.69	1	0.6222	0.54
1 MPH	0.4464	87.89	1.6071	1	0.8679
1 knot	0.5144	101.27	1.8519	1.1523	1

Contact :

CEM INSTRUMENTS (INDIA) PVT. LTD.

32A, Ganesh Chandra Avenue, 4th Floor, Kolkata-700013

Tel: 033-22151376, 22159759

Email: info@cem-instruments.in / info@cem-india.com

Web: www.cem-instruments.in / www.cem-india.com

CEM INSTRUMENTS HEADQUATER & FACTORY

19th Building, 5th Region, Baiwangxin Industry Park,

Songbai Road, Baimang, Xili, Nanshan, Shenzhen,

China, 518108

Tel: +86-755-27353188, Fax: +86-755-27653699

