

FEATURES

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.

GENERAL SPECIFICATIONS

Circuit	Custom LSI microprocessor circuit
Display	Dual function 0.5" (13 mm) 4-digit Backlit LCD
Sampling rate	1 reading per second approx.
Sensors	Air velocity/flow sensor: Conventional angled vane arms with low-friction ball bearing. Temperature sensors: NTC-type precision thermistor and InfraRed
IR Spectral response	6 to 14µm
IR Emissivity	0.95 fixed
IR distance ratio	8:1
IR sampling rate	2.5 readings per second approx.
Automatic Power off	Auto shut off after 20 minutes to preserve battery life
Operating Temperature	32°F to 122°F (0°C to 50°C)
Storage Temperature	14 to 140oF (-10 to 60oC)
Operating Humidity	<80% RH
Storage Humidity	<80% RH
Operating Altitude	2000 meters (7000ft) maximum
Battery	One 9 volt (NEDA 1604) battery
Battery life	80 hours approx. (if Backlight and Laser are used continuously the battery life is reduced to 2 to 3 hours approx.)
Battery current	8.3 mA DC approx.
Weight	1.6 lbs. (725g) including battery & probe
Dimensions	Main instrument: 7.0 x 2.9 x1.2" (178 x 74 x 33mm) Sensor Head: 2.75" (70mm) Diameter



TECHNICAL 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)	0.4 - 108.0.0 km/h	0.1 km/h	± (3% rdg + 0.80 km/h)
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 (cubic meters/min)	0 - 999999 m ³ /min	.1	0 to 999.9m ²
CFM (cubic ft/min)	0 - 999999 ft ³ /min	.1	0 to 999.9ft ²
Air Temperature	Range	Resolution	Accuracy
	-58 to -4°F (-50 to -20°C)	1°F/C	± 2% reading or ± 4°F (2°C) whichever is greater
Infrared temperature	Range	Resolution	Accuracy
	-58 to -4°F (-50 to -20°C)	1°F/C	± 9.0°F (5.0°C)
	-4 to 500°F (-20 to 260°C)		±2% reading or ± 4°F (2°C) whichever is greater

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