EXTECH INSTRUMENTS

PRODUCT DATASHEET

45170CM 5-in-1 Environmental Meter with CFM/CMM



Extech's convenient 5-in-1 Environmental Meter measures Air Velocity, Air Flow, Humidity, Temperature, and Light. This multi-functional meter is ideal for professional or home use in testing the environmental quality in a building.


Air Velocity


Air Flow


Light Level


Relative Humidity


Surface Temperature

Features

- Ergonomic housing with large dual "smart" LCD where characters on display reverse direction depending on the function in use
- Low friction vane wheel improves accuracy of Air Velocity and Air Flow measurements
- Utilizes precision photo diode and color correction filter for light measurements
- Thin-film capacitance humidity sensor for fast response
- Thermistor measures ambient Temperature
- Type K input measures Temperature to 2372°F (1300°C) using optional Type K probe
- Data Hold and Min/Max
- Auto power off with disable feature
- Low battery and overrange indication
- Complete with built-in sensors, wrist strap, and 9V battery; Type K thermocouple probe sold separately

Specifications		Range	Resolution	Basic Accuracy
Air Velocity	ft/min	80 to 5910 ft/min	1ft/min	±3% FS
	m/s	0.4 to 30m/s	0.1m/s	±3% FS
	km/h	1.4 to 108km/h	0.1km/h	±3% FS
	MPH	0.9 to 67MPH	0.1MPH	±3% FS
	knots	0.8 to 58.3 knots	0.1knots	±3% FS
Air Flow	CFM (CMM)	0.01 to 1,908,400CFM (0.001 to 54,000CMM)	0.001CFM (CMM)	
Light Level	Fc (Lux)	0 to 1860Fc (0 to 20,000Lux)	0.1Fc (1Lux)	±(5% rdg + 8 digits)
Relative Humidity		10 to 95%RH	0.1%RH	±4%RH of rdg
Temperature (Thermistor)		32 to 122°F (0 to 50°C)	0.1°	±2.5°F (1.2°C)
Temperature (Type K)		-148°F to 2372°F (-100°C to 1300°C)	0.1°	±(1%+2°F)/ (1%+1°C) of rdg
Dimensions/ Weight		Meter: 6.1 x 2.4 x 1.3" (156 x 60 x 33mm); Vane: 1.2" (31mm)/ 5oz (160g)		

Ordering

45170CM..... 5-in-1 Environmental Meter with CFM/CMM
TP870 ..... Type K Bead Wire Thermocouple (-40 to 482°F/-40 to 250°C)
409992..... Vinyl Pouch Carrying Case

CE

UPC Code: 793950451717

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