



# EM5 Environmental Meter

Combining the measurement of 5 critical environmental parameters, the EM5 provides the user with complete information for real time environmental conditions; **SOUND, AIR VELOCITY AND VOLUME, TEMPERATURE, HUMIDITY AND LIGHT.**

## Features/ Benefits

- Measures Air Velocity (fpm) and Air Volume (cfm)
- Measures Sound in dB
- Measures Temperature and Humidity (°F/°C)
- Measures Light (Lux)
- Standard and Metric units
- Backlit LCD Display
- Min/ Max/ Avg/ DIF modes
- Data Hold
- Auto-ranging
- Auto Power Off
- Low Battery Indicator
- One-Hand Operation
- Air Measurement Set up and Register
- CFM Chart included
- Carrying Case included
- Instrument Tripod included

## Applications

- Identify Air Flow Problems
- Air Balancing
- Air Quality
- Measure Light Levels
- Measure Damaging Sound Levels
- Ensure Acceptable Sound Levels For HVAC Systems





## General Specifications

Display	4 1/2 Digit Backlit LCD
Response Time	2/second (app.)
Operating Temperature	14°F to 140°F (-10°C to 60°C)
Storage Temperature	14°F to 122°F (-10°C to 50°C)
Power Requirements	9 V Battery (included)
Weight	15.3 oz. (430 g)
Dimensions	11" x 3.5" x 2" (280mm x 89mm x 50mm)

## Measurement Specifications

RANGE	RESOLUTION	ACCURACY
<b>Temperature</b>		
14°F to 140°F (-10°C to 60°C)	0.1°F (0.1°C)	+/- 2.7°F (+/- 1.5°C)
<b>Relative Humidity</b>		
20% RH to 80% RH	0.1% RH	+/- 3% RH @ 75° F
< 20% RH and > 80% RH	0.1% RH	+/- 5% RH @ 75° F
<b>Sound Level</b>		
30 dB to 130 dB	0.1 dB	+/- 1.5 dB
<b>Light Level</b>		
0 to 2000 Lux	1 Lux	+/- 5% of Rdg plus 10
2001 LUX to 20,000 Lux	10 Lux	+/- 5% of Rdg plus 10
20,001 LUX to 50,000 Lux	100 Lux	+/- 5% of Rdg plus 10
<b>Air Flow</b>		
1.6 ft/s to 65.7 ft/s	0.1 ft/s	+/- 3% of Rdg plus 10
0.5 m/s to 20 m/s	0.1 m/s	+/- 3% of Rdg plus 10
0.9 knots to 38.9 knots	0.1 knots	+/- 3% of Rdg plus 10
1.8 km/h to 72 km/h	0.1 km/h	+/- 3% of Rdg plus 10
<b>Air Volume</b>		
0 to 999,900 CFM	0.1 to 100 CFM	+/- 3% of Rdg plus 10
0 to 999,900 CMM	0.1 to 1000 CMM	+/- 3% of Rdg plus 10