



EM Series Envirometers

MEASURE CRITICAL HVAC/R PARAMETERS TO MAXIMIZE PRODUCTIVITY AND PERFORMANCE

Measuring, analyzing and solving environmental problems is paramount for the successful service technician. Choose the Envirometer(s) for the best solution.

EM10 Temperature & Humidity Meter

Diagnose and solve HVAC system problems

- Measures Temperature, Humidity & Dew Point
- Temperature Range: 14°F to 122°F
- Humidity Range: 0% to 99.9% RH
- Min/ Max/ Avg
- Data Hold
- Backlit LCD
- Auto power off
- Hard Carrying Case included

Specifications

Temperature range :	14°F to 122°F (-10°C to 50°C)
Humidity range:	0% to 99.9% RH
Temperature Resolution:	0.1°F (0.1°C)
Humidity Resolution:	0.1% RH
Temperature Accuracy:	±1.8°F (± 1.0°C)
Humidity Accuracy:	3% RH (5 to 95% RH)
Battery:	1.5V AAA x 3 (included)
Dimensions:	4.8" X 2.4" X 1.2" (121mm X 60mm X 30mm)
Weight:	6.2 oz (180g)



EM20 Thermo-Anemometer

Diagnose and solve air flow problems

- Measures fpm, m/s, mph, km/h, kts, Beaufort Scale
- Measures °F/ °C
- Velocity Range: 80 fpm to 4000 fpm
- Temperature Range: 14°F to 122°F
- Min/ Max
- Data Hold
- Backlit LCD
- Auto power off
- Hard Carrying Case included

Specifications

Velocity Range:	80 fpm to 4000 fpm, 0.4 m/s to 20 m/s
Temperature Range:	14°F to 122°F (-10°C to 50°C)
Velocity Resolution:	1 fpm (0.1 m/s)
Temperature Resolution:	0.1°F (0.1°C)
Battery:	1.5V AAA x 3 (included)
Dimensions:	6.2" X 2.4" X 1.2" (157mm X 60mm X 30mm)
Weight:	6.3 oz. (180g)



EM30 Tachometer

Analyze and solve motor rotation problems

- Measures rpm & rps
- Range: 100 rpm to 30,000 rpm
- Min/ Max
- Data Hold
- Backlit LCD
- Auto power off
- Hard Carrying Case included

Specifications

Range:	100 rpm to 30000 rpm / 1.7 rps to 500 rps
Resolution:	0.1 rpm for 100 rpm to 999.9 rpm 1 rpm for 1000 rpm to 30000 rpm 0.1 rps for 1.7rps to 100rps 1 rps for 100 rps to 500 rps
Accuracy:	±0.1% reading for 100.0 rpm to 9,999 rpm ±0.02% reading for 10,000 rpm to 30,000 rpm
Auto power off:	2 min.(app.)
Battery:	1.5V AAA x 3 (included)
Dimensions:	4.7" X 2.4" X 1.2" (121mm X 60mm X 30mm)
Weight:	6.3 oz (180g)



EM60 Dual Differential Thermometer

Make fast inlet / outlet temperature comparisons

- Dual Thermocouple (J, K) inputs
- Temperature Range (K): -328°F to 2372°F
- Measures T1, T2 & T1-T2
- High & Low Alarms
- Data Storage
- Min/ Max/ Avg for T1 & T2
- Data Hold
- Backlit LCD
- Auto power off
- Hard Carrying Case included
- Includes two (2) K-type thermocouples

Specifications

Range:	K-Thermocouple: -328°F to 2372°F (-200°C to 1300°C) J- Thermocouple: -328°F to 2192°F (-200°C to 1200°C)
Resolution:	0.1°F ; (0.1°C)
Best Accuracy:	
K-Thermocouple:	± 0.2% of Reading ± 2°F (± 0.1% of Reading ± 1.4°F)
J- Thermocouple:	± 0.2% of Reading ± 2°F (± 0.1% of Reading ± 1.4°F)
Battery:	1.5V AAA x 3 (included)
Dimensions:	4.8" X 2.4" X 1.2" (121mm X 60mm X 30 mm)
Weight:	6.2 oz (180g)



EM80 Sound Level Meters

Analyze and solve excessive sound level problems

- Range: 30 dB to 120 dB
- Auto or Manual Range
- Analog Bar Indicator
- Field Calibratable
- Backlit LCD
- Auto power off
- Hard Carrying Case included

Specifications

Frequency range:	31.5Hz to 8KHz
Measuring range:	30dB to 120dB
Frequency weighting:	A
Resolution:	0.1 dB
Accuracy:	1.5 dB (under 94 dB)
Four ranges:	60dB / 80dB / 100dB / 120 dB
Time response:	Analog bar: 0.25 sec / Digital: 0.75 sec
Operating temperature:	-32°F to 104°F (0°C to 40°C)
Operating humidity:	10% to 80% RH
Battery:	1.5V AAA x 3 (included)
Dimensions:	6.1" X 2.4" X 1.2" (156mm X 60mm X 32 mm)
Weight:	5.2 oz (180g)



EM90 Dual Thermometer (Infrared & Thermocouple)

Choose the most convenient method for the application

- IR Range: -58°F to 518°F
- Thermocouple Range (K): -328°F to 2372°F
- Min / Max / Avg
- Data Hold
- Backlit LCD
- Auto power off
- Hard Carrying Case included
- Includes one (1) K-type thermocouple

Specifications

Temperature Range:	
- Infrared:	-58°F to 518°F (-50°C to 300°C)
- K-Thermocouple:	-328°F to 2372°F (-200°C to 1300°C)
Resolution:	0.1°F (0.1°C)
Best Accuracy:	
Infrared:	± 1.5% of reading ± 4°F F (± 1.5% of Reading ± 2°C)
K-Thermocouple:	± 0.1% of Reading ± 1.4°F (± 0.2% of Reading ± 1°C)
Emissivity:	0.95
Optical Ratio:	2:1
Laser power:	less than 1 mw
Battery:	1.5V AAA x 3 (included)
Dimensions:	4.8" X 2.4" X 1.2" (121mm X 60mm X 30mm)
Weight:	6.2 oz (180g)



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