

EM SERIES

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

Specifications

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

| | |
|------------------|---|
| 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 572°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) |

