# Environmental Meter

## *Rugged 4-in-1 Environmental Meter*

*Measures Humidity, Temperature, Air Velocity and Light*

## Features:

- Ergonomic pocket size housing with large dual LCD simultaneous display of Temperature and Air Velocity or Relative Humidity
- Characters on display reverse direction depending on Hygro-Thermo-Anemometer or Light Mode
- Data Hold to freeze the displayed value
- Records Min/Max readings
- Built-in low friction vane wheel improves accuracy of air velocity in ft/min, MPH, m/s, km/h, and Knots
- Built-in precision thin-film capacitance humidity sensor for fast response
- Built in thermistor for ambient temperature measurements
- Type K input measures Temperature to 2372°F (1300°C) using optional Type K probe
- Utilizes precision photo diode and color correction filter
- Cosine and color corrected light measurements
- Defaults to last function when powered off
- Auto power off 10 minutes after last key is pressed with disable feature
- Low Battery and overrange indication
- Complete with built-in Humidity sensor, Light sensor and Vane wheel, wrist strap, and 9V battery; Optional Type K thermocouple probe




| Measurements | Range | Resolution | Basic Accuracy |
|---|---|---|---|
| Air Velocity | | | |
| ft/min | 80 to 5910 ft/min | 10ft/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 |
| Light | | | |
| Foot Candles (Fc) | 0 to 1860Fc | 0.1Fc | ±(5% rdg + 8 digits) |
| Lux | 0 to 20,000Lux | 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 | Meter: 6.1 x 2.4 x 1.3" (156 x 60 x 33mm); Vane: 1.2" (31mm) | | |
| Weight | 5oz (160g) | | |

## Ordering Information:

**45170** .....Environmental Meter
**TP870** .....Type K Bead Wire Thermocouple
**409992** .....Vinyl Pouch Carrying Case

CE


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