

## 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

