

# Pocket Hygro-Thermo-Anemometer-Light Meter

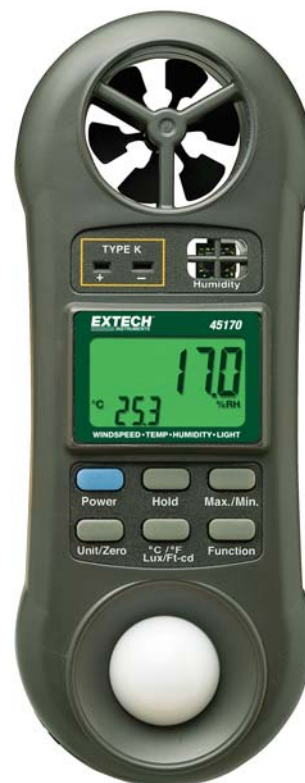


## Rugged 4-in-1 Environmental Meter

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° (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 (Full Scale) |
|---------------------------------|--------------------------------------------------------------|------------|-----------------------------|
| Air Velocity                    |                                                              |            |                             |
| ft/min (feet per minute)        | 80 to 5910 ft/min                                            | 10ft/min   | ±3%                         |
| m/s (meters per second)         | 0.4 to 30m/s                                                 | 0.1m/s     | ±3%                         |
| km/h (kilometers per hour)      | 1.4 to 108km/h                                               | 0.1km/h    | ±3%                         |
| MPH (miles per hour)            | 0.9 to 67MPH                                                 | 0.1MPH     | ±3%                         |
| knots (nautical miles per hour) | 0.8 to 58.3 knots                                            | 0.1knots   | ±3%                         |
| Light                           |                                                              |            |                             |
| Foot Candles                    | 0 to 1860Fc                                                  | 0.1Fc      | ±(5% rdg + 8 digits)        |
| Lux                             | 0 to 20,000Lux                                               | 1Lux       | ±(5% rdg + 8 digits)        |
| Temperature (thermistor)        | 32 to 122°F                                                  | 0.1°F      | ±2.5°F                      |
|                                 | 0 to 50°C                                                    | 0.1°C      | ±1.2°C                      |
| % Relative Humidity             | 10 to 95%RH                                                  | 0.1%RH     | ±4%RH of reading            |
| Temperature (thermistor)        | 32 to 122°F                                                  | 0.1°F      | ±2.5°F                      |
|                                 | 0 to 50°C                                                    | 0.1°C      | ±1.2°C                      |
| Temperature (Type K)            | -148°F to 2372°F                                             | 0.1°F      | ±(1%+2°F) of reading        |
|                                 | -100°C to 1300°C                                             | 0.1°C      | ±(1%+1°C) of reading        |
| Power                           | 9V battery                                                   |            |                             |
| 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 .....Pocket Hygro-Thermometer-Anemometer-Light Meter  
TP870 .....Type K Bead Wire Thermocouple  
409992 .....Vinyl Pouch Carrying Case

