

EN510 10-in-1 Environmental Meter



Convenient 10-in-1 Environmental Meter measuring Air Velocity, Air Flow, Air Temperature, Type K Temperature, Heat Index, Humidity, Wet Bulb, Dew Point, Windchill, and Light Level. Includes built-in low friction ball bearing mini vane wheel, a precision photo diode with cosine and color correction filter, and a capacitive humidity sensor for high accuracy. The Type K input accepts standard Type K Thermocouple probes to measure surface temperature up to 2372°F (1300°C). Features large dual LCD with backlighting, Data Hold, and Min/Max function.



Features

- Measures Air Velocity, Air Flow, Temperature (Air/Type K), Humidity, Wet Bulb, Dew Point, Heat Index, Wind Chill, and Light
- Replaceable low friction ball bearing mini vane wheel to retain high accuracy
- Measure light levels in Foot-Candle (Fc) or Lux units using a precision photo diode with cosine and color correction filter
- Backlit display to view in dimly lit areas
- Data Hold and Min/Max functions
- Auto power off with disable
- Tripod mount (optional TR100 Tripod sold separately)
- Complete with wrist strap, general purpose Type K bead wire probe, and three AAA batteries

See page 2 for specifications

Ordering

- EN510..... Environmental Meter
 - EN100-V..... Replacement Mini Impeller (Vane) - 2pk
 - TP870..... Type K Bead Wire Temperature Probe (-40 to 482°F/-40 to 250°C)
 - TP873..... Type K Bead Wire Temperature Probe (-22 to 572°F/-30 to 300°C)
 - TP875..... Type K Bead Wire High Temperature Probe (-58 to 1000°F/-58 to 538°C)
- Visit extech.com and go to accessories category for more temperature probe options



EN510 UPC Code: 793950440513

| Specifications | Range | Max Resolution | Basic Accuracy |
|----------------------|--|----------------|--------------------------------|
| Air Velocity | | | |
| ft/min | 80 to 3937 ft/min | 1ft/min | ±3%FS |
| m/s | 0.4 to 20m/s | 0.1 m/s | ±3%FS |
| km/h | 1.4 to 72km/h | 0.1 km/h | ±3%FS |
| MPH | 0.9 to 44.7MPH | 0.1 MPH | ±3%FS |
| knots | 0.8 to 38.8 knots | 0.1 knots | ±3%FS |
| Air Flow | | | |
| CFM | 0.847 to 1,271,300 | 0.001 CFM | |
| CMM | 0.024 to 36,000 | 0.001 CMM | |
| Temperature (Air) | 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° | ±(0.4% + 1.8°F): ±(0.4% + 1°C) |
| Humidity | 10 to 95% RH | 0.1% RH | ±0.4% |
| Wet Bulb | 22.2 to 120°F (-5.4 to 49.0°C) | 0.1° | Calculate |
| Dew Point | -13.5 to 120.0°F (-25.3 to 49.0°C) | 0.1° | Calculate |
| Windchill | 15 to 112°F (-9.4 to 44.2°C) | 0.1° | ±3.6°F (±2°C) |
| Heat Index | 32 to 212°F (0 to 100°C) | 0.1° | |
| Light | 0 to 1860 Fc (0 to 20,000 Lux) | 0.1 Fc (1 Lux) | ±5% |
| Dimensions/ Weight | 6.0 x 2.3 x 1" (153 x 58 x 25mm)/ 5.6oz (160g)/ Vane Diameter ~1" (27mm) | | |