

EN100/EN150 Environmental Meters with 11 Functions



Common Features

- Built-in sensors measure 11 environmental conditions including Air Velocity, Air Flow, Temperature, Humidity, Wet Bulb, Dew Point, Heat Index, Wind Chill, Barometric Pressure, and Altitude
- Field replaceable low friction vane wheel improves air velocity accuracy
- Backlit LCD display (auto off after 5 seconds)
- Data Hold 'freezes' displayed reading
- Auto power off (with disable feature)
- Complete with built-in multiparameter sensors, wrist strap, and CR2032 battery.
(Optional Pt -1000Ω probe, EN100-TP, for external temperature measurement)



Ordering

- EN100..... Environmental Meter (11 functions including Light Level measurement)
- EN150..... Environmental Meter (11 functions including UV Light measurement)
- EN100-TP RTD Temperature Probe (PT-1000Ω)
- EN100-V Replacement Vane for EN100 and EN150 (2pk)

Model EN100 Additional Functionality

- Built-in Light sensor measures light level
- Auto-rotating display depending on function

Model EN150 Additional Functionality

- Built-in UV sensor measures UV light level – Natural Sunlight Measurements

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| Specifications | Range | Max Resolution | Basic Accuracy |
|--|---|------------------------|------------------|
| Light Level (EN100 only) | | | |
| Foot Candles | 0 to 1860Fc | 0.1Fc | ±5% |
| Lux | 0 to 20,000Lux | 1Lux | ±5% |
| UVA Light - 290nm to 390nm (EN150 only) | | | |
| μW/cm ² | 0 to 1999μW/cm ² | 1μW/cm ² | ±4%FS |
| mW/cm ² | 2 to 20mW/cm ² | 0.01mW/cm ² | ±4%FS |
| Air Velocity | | | |
| ft/min (feet per minute) | 80 to 3940 ft/min | 1 ft/min | ±3%FS |
| m/s (meters per second) | 0.4 to 20m/s | 0.1m/s | ±3%FS |
| km/h (kilometers per hour) | 1.4 to 72km/h | 0.1km/h | ±3%FS |
| MPH (miles per hour) | 0.9 to 45MPH | 0.1MPH | ±3%FS |
| knots (nautical miles per hour) | 0.8 to 38.8 knots | 0.1knots | ±3%FS |
| Air Volume | | | |
| CFM | 0.847 to 1,271,300CFM | 0.001CFM | |
| CMM | 0.024 to 36,000CMM | 0.001CMM | |
| Temperature (with optional RTD probe) | 14 to 158°F (-10 to 70°C) | 0.1°F/°C | ±2.5°F/±1.2°C |
| Temperature (ambient) | 32 to 122°F (0 to 50°C) | 0.1°F/°C | ±2.5°F/±1.2°C |
| % Relative Humidity | 10 to 95%RH | 0.1%RH | ±4%RH of reading |
| Wet Bulb | 22.3 to 120.2°F (-5.4 to 49.0°C) | 0.1°F/°C | calculated |
| Dew Point | -13.5 to 120.2°F (-25.3 to 49.0°C) | 0.1°F/°C | calculated |
| Wind Chill | 15.1 to 111.6°F (-9.4 to 44.2°C) | 0.1°F/°C | ±3.6°F/±2°C |
| Heat Index | 32 to 212°F (0 to 100°C) | 0.1°F/°C | ±3.6°F/±2°C |
| Barometric Pressure | | | |
| inHg | 0.29 to 32.48inHg | 0.01inHg | ±0.05inHg |
| mmHg | 7.5 to 825mmHg | 0.1mmHg | ±1.2mmHg |
| hPa | 10 to 1100hPa | 0.1hPa | ±2hPa |
| Altitude | | | |
| feet (ft) | -6000 to 30000ft | 1ft | ±50ft |
| meter (m) | -2000 to 9000m | 1m | ±15m |
| Dimensions | 4.7 x 1.7 x 0.7" (120 x 45 x 20mm); Vane: 1.2" (31mm) | | |
| Weight | 5.6oz (160g) | | |