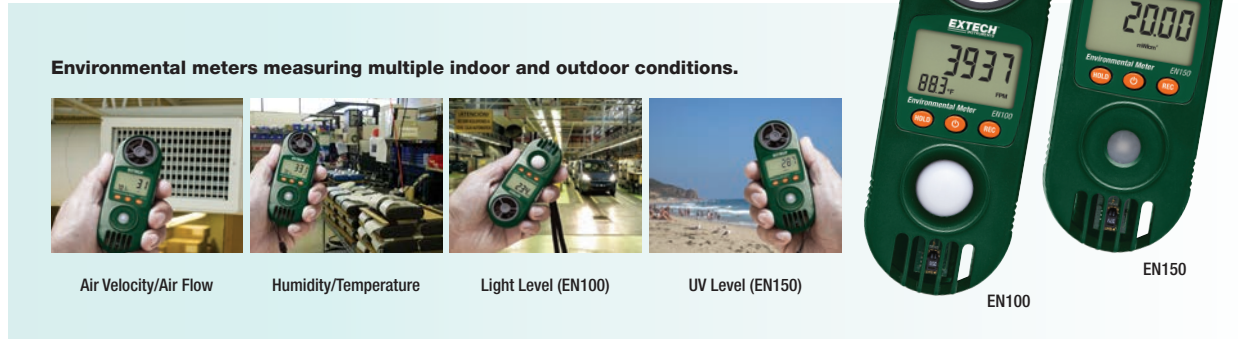# EN100/EN150 Environmental Meters with 11 Functions

Environmental meters measuring multiple indoor and outdoor conditions.

Air Velocity/Air Flow	Humidity/Temperature	Light Level (EN100)	UV Level (EN150)

EN100

EN150

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)

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

EN100-TP

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)

CE

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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)*			
$\mu W/cm^2$	0 to 1999$\mu W/cm^2$	1$\mu W/cm^2$	±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)		

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