

Environmental Meter

Rugged 5-in-1 Environmental Meter
Measures Humidity, Temperature, Air Velocity, Light and Sound

Features:

- 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-Sound Mode
- Data Hold and Min/Max functions
- Built-in low friction vane wheel improves accuracy of air velocity, precision thin-film capacitance humidity sensor for fast response, and thermistor for ambient temperature measurements
- Type K input measures temperature up to 2372° (1300°C)
- Utilizes precision photo diode and correction filter for Cosine and color corrected light measurements
- Sound Level measurement meets IEC 61672 class 2 using A frequency weighting and fast response time
- Auto power off 10 minutes after last key is pressed with disable feature; Low Battery and overrange indication
- Tripod mount (Optional TR100 tripod)
- PC interface with optional Data Acquisition Software 407001
- Complete with built-in sensors, Vane wheel, windscreen, Type K thermocouple probe, pouch case, and six 1.5V AAA batteries



Air Velocity and Temperature



Relative Humidity



Light intensity



Sound Level Measurement

| Measurements | Range | Resolution | Basic Accuracy |
|--------------------|--|------------|----------------------|
| Air Velocity | | | |
| ft/min | 80 to 5910 ft/min | 1ft/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 | 0 to 1860Fc | 0.1Fc | ±(5% rdg + 8d) |
| Lux | 0 to 20,000Lux | 1Lux | ±(5% rdg + 8d) |
| 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 |
| Type K | -148 to 2372°F (-100 to 1300°C) | 0.1 | ±(1%+2°F/1°C) of rdg |
| Sound | | | |
| dB | 35 to 130dB | 0.1dB | ±1.4dB |
| Frequency | 31.5 to 8,000Hz | | |
| Weighting/Response | A weighting/fast response | | |
| Power | 6 x AAA batteries | | |
| Dimensions | Meter: 9.8 x 2.8 x 1.3" (248 x 70 x 34mm); Vane: 1.2" (31mm) | | |
| Weight | 11.8oz (335g) | | |

Ordering Information:

- EN300Environmental Meter
 TP870Type K Bead Wire Thermocouple
 TR100Tripod
 UA100-240Universal AC Adapter with 4 plugs (US, EU, UK, AU)
 407001Data Acquisition Software

