

## 4 in 1 Environment Meter

### FEATURES

- 4 measuring functions: sound level, light, humidity and temperature.
- 3.5" large LCD display with units of Lux, °C, °F, %RH and C & dB. A & dB indication.
- Easy to use
- Light measuring levers ranging from 0.01 lux to 20,000 lux
- Sound level range:
  - A LO (low) - Weighting: 35-100 dB
  - A HI (High) - Weighting: 65-130 dB
  - C LO (low) - Weighting: 35-100 dB
  - C HI (High) - Weighting: 65-130 dB
  - Resolution: 0.1 dB
- Humidity measurement from 25%RH to 95%RH with 0.1%RH resolution and fast time response.
- Temperature measuring levers ranging from - 20.0°C ~+750°C/-4°F~+1400°F

### SPECIFICATIONS

**Display:** Large 1999 counts LCD display with function of Lux, x10 Lux, °C, °F, %RH and dB, A & dB, C & dB, Lo & dB, Hi & dB, MAX HOLD, DATA HOLD indication.

**Polarity:** Automatic, (-) negative polarity indication.

**Over-range:** "OL" mark indication.

**Low battery indication:** The "BAT" is displayed when the battery voltage drops below the operating level.

**Measurement rate:** 1.5 times per second, nominal.

**Storage temperature:** -10°C to 60°C (14°F to 140°F) at < 80% relative humidity

**Auto power off:** Meter automatically shuts down after approx. 10 minutes of inactivity.

**Power:** One standard 9V, NEDA 1604 or 6F22 battery.

**Dimensions/Wt.:** 251.0 (H) x 63.8 (W) x 40 (D) mm/250g

**Photo detector dimensions:** 115 X 60 X 27 mm

#### **Sound Level**

**Measurement range:**

A LO (low) - Weighting: 35-100 dB

A HI (High) - Weighting: 65-130 dB

C LO (low) - Weighting: 35-100 dB

C HI (High) - Weighting: 65-130 dB

Resolution: 0.1 dB

**Typical instrument frequency range:** 30Hz-10KHz

**Frequency weighting:** A, C-weighting

**Time weighting:** Fast

**Maximum hold:** Decay < 1.5 dB/3 min

**Accuracy:** ±3.5 dB at 94 dB sound level, 1KHz sine wave.

**Microphone:** Electric condenser microphone.

#### **Light**

**Measuring range:** 20, 200, 2000, 20,000 lux (20,000 lux range reading x10)

**Overrate display:** Highest digit of "1" is displayed.

**Accuracy:** ±5% rdg + 10 dgts (calibrated to standard incandescent lamp at colour temperature 2856k).

**Repeatability:** ±2%.

**Temperature characteristic:** ± 0.1 %/°C

**Photo detector:** One silicon photo diode with filter.

#### **Humidity/Temperature**

**Measurement Range:**

Humidity 25% ~ 95%RH

<b>Temperature</b>	-20.0°C – +50.0°C	-4°F – +122°F
(K-type)	-20.0°C – +200.0°C	-20°C – +750°C;
	-4.0°F – +200°F,	-4°F – +1400°F.

**Resolution:** 0.1 RH, 0.1, 1 / 0.1°F. 1°F.

**Accuracy (after calibration):**

**Humidity:** ±5%RH (at 25°C, 35%~95%RH)

**Response time of the humidity sensor:** approx. 6mm.

**Temperature:**

±3%rdg ±2°C (at -20.0°C ~ +200.0°C)

±3.5%rdg ±2°C (at -20.0°C ~ +750°C)

±3%rdg ±2°F (at -4.0°F ~ +200.0°F)

±3.5%rdg ±2°F (at -4°F ~ +1400°F)

Input Protection: 60V dc or 24V ac rms.



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