



HOBO® UX90-002M Data Logger

Extended Memory Light On/Off Data Logger

The HOBO Light On/Off data logger monitors indoor light changes with an internal sensor and records light on and off conditions, making it ideal for building energy audits and light usage analysis. The HOBO UX90-002 Light On/Off Data Logger is available in a standard 128 KB memory model (UX90-002) capable of 84,650 measurements and an expanded 512KB memory version (UX90-002M) capable of over 346,795 measurements.



Supported Measurements:

Light On/Off

Key Advantages:

- Auto-calibration of ON and OFF thresholds ensures reliable readings
- User adjustable sensitivity control for low/high light level conditions
- Highly recommended light pipe accessory eliminates effects of ambient light to ensure the most accurate readings
- Compatible with HOBOWare and HOBOWare Pro software for logger setup, graphing and analysis

HOBO UX90-002M Data Logger Specifications

Light threshold: > 65 lux

Light type: LED, CFL, fluorescent, HID, incandescent, natural

Time accuracy: ±1 minute per month at 25°C (77°F) (see Plot A)

Battery life: 1 year typical use

Memory

UX90-002: 128 KB (84,650 measurements, maximum)

UX90-002M: 512 KB (346,795 measurements, maximum)

Download type: USB 2.0 interface

Download time: 10 seconds for 128 KB; 30 seconds for 512 KB

Logger Operating Range

Logging: -20° to 70°C (-4° to 158°F); 0 to 95% RH (non-condensing)

Launch/Readout: 0° to 50°C (32° to 122°F) per USB specification

LCD: LCD is visible from: 0° to 50°C (32° to 122°F); the LCD may react slowly or go blank in temperatures outside this range

Size: 3.66 x 5.94 x 1.52 cm (1.44 x 2.34 x 0.6 in.)

Weight: 23 g (0.81 oz)

Environmental rating: IP50

CE - The CE Marking identifies this product as complying with all relevant directives in the European Union (EU)

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

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▶ Call 1-508-759-9500

▶ In U.S. toll free 1-800-564-4377

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Technical Support (8am to 8pm ET, Monday through Friday)

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