



HOBO UX90 State Logger - UX90-002

Overview

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.

Features:

Auto-calibration of ON and OFF thresholds ensures reliable readings

User adjustable sensitivity control for low/high light level conditions

Optional light pipe eliminates effects of ambient sunlight or other lighting sources

Environment:

The UX90-002 Data Logger is for use in Indoor environments

Supported Measurements:

Light On/Off

Auto-calibration of ON and OFF thresholds ensures reliable readings

User adjustable sensitivity control for low/high light level conditions

Optional light pipe eliminates effects of ambient sunlight or other lighting sources

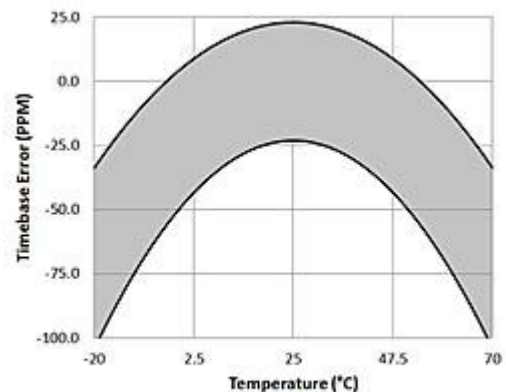
Replacement for: H06-002-02, U9-002

Internal Sensor

Light Threshold: > 65 lux

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

Time



Plot A: Time Accuracy

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

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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



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

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