

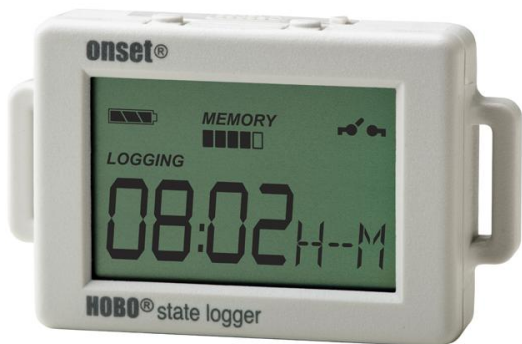
UX90-001

HOBO State Data Logger

Records state changes, electronic pulses, and mechanical or electrical contact closures from external sensing devices.

Important Information

Requires HOBOWare software and a USB cable. (Note: A USB-A to USB-B mini cable is included w/HOBOWare Pro USB Drive software purchase). See compatible items below.



Compatible with
HOBOWare® Software

Supported Measurements

Event, Kilowatt Hours (kWh), Motor On/Off, Pulse Input, Runtime, State Open/Closed, Water Flow

Features

- One logger with four recording modes
- Internal reed switch can be used to determine when a door or window is open or closed
- Compatible with a wide range of external sensors
- Ships with 2.5 mm input cable
- Compatible with HOBOWare and HOBOWare Pro software for logger setup and graphing & analysis

What's in the box

- HOBO UX90-001x State Data Logger
- 2.5 mm input cable
- Command™ strip
- Double-sided tape
- Hook & loop strap
- Magnet with 2 screws

Contact Us

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

- Email sales@onsetcomp.com
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
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Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

HOBO State Data Logger (UX90-001) Specifications

Internal Sensor

Maximum State, Event, Runtime Frequency 1 Hz

Preferred Switch State No magnet present (normally open)

External Input

External Contact Input Electronic solid state switch closure or logic driven voltage output

Range 0 to 3 V DC (USB powered), 0 to 2.5 V DC (battery powered)

Maximum Pulse Frequency 50 Hz

Maximum State, Event, Runtime Frequency 1 Hz

Pulse, Event Lockout Time 0 to 1 second in 100 ms steps

Solid State Switch Closure Input Low: < 10 K Ω ?; Input High: > 500 K Ω ?

Internal Weak Pull-Up 100 K Ω ?

Input Impedance Solid state switch closure: 100 K Ω pull up

Logger

Resolution Pulse: 1 pulse, Runtime: 1 second, State and Event: 1 State or Event

Logging Rate 1 second to 18 hours, 12 minutes, 15 seconds

Memory Modes Wrap when full or stop when full

Start Modes Immediate, push button, date & time, or next interval

Stop Modes When memory full, push button, or date & time

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

Power Source One 3V CR2032 lithium battery and USB cable

Battery Life 1 year, typical with logging intervals greater than 1 minute and normally open contacts

Memory UX90-001: 128 KB (84,650 measurements, maximum)
UX90-001M: 512 KB (346,795 measurements, maximum)

Download Type USB 2.0 interface

Full Memory 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

