



## HOBO<sup>®</sup> H06-004-02 Data Logger

### Motor On/Off AC Field Data Logger

Magnetic field intensities fall off rapidly with increasing distance from their source (motor, transformer, or even a single wire carrying a large AC current), requiring the data logger to be mounted very close to (ideally directly on) the field source, making interference from other sources less likely.

#### Supported Measurements:

Motor On/Off



#### Key Advantages:

- Time resolution: 0.5 second
- Time accuracy:  $\pm 1$  minute per week at  $+20^{\circ}\text{C}$  ( $+68^{\circ}\text{F}$ )
- Programmable start time/date
- Battery check at launch
- Blinking LED lights show current state
- Memory modes: stop when full, wrap-around when full
- Full logger downloads in just 90 seconds
- Nonvolatile EEPROM memory retains data even if battery fails
- User-replaceable battery lasts one year
- Mounting kit included (hook/loop, magnet, and tape)
- Drop-proof to 5 feet
- One-year warranty

## HOBO H06-004-02 Data Logger Specifications

**Minimum state duration:** 0.5 seconds

**Time accuracy:** approx.  $\pm 1$  minute per week ( $\pm 100$  ppm at  $+68^{\circ}\text{F}$ ), accuracy detail shown in Plot

**Capacity:** 2,000 state changes (requires 8K of memory in HOBO Shuttle to fully offload)

**Operating temperature:**  $-4^{\circ}\text{F}$  to  $+158^{\circ}\text{F}$  ( $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ )

**Relative humidity range:** 0 to 95%, non-condensing, non-fogging

**Size/weight:** 2.4" x 1.9" x 0.8"/approximately 1 oz.

**Battery:** CR-2032 (lithium); provides one year of continuous use; user-replaceable

**Storage temperature:**  $-40^{\circ}\text{F}$  to  $+167^{\circ}\text{F}$  ( $-40^{\circ}\text{C}$  to  $+75^{\circ}\text{C}$ )

**AC magnetic-field threshold:** approximately 2 Gauss at 60 Hz. Position the logger such that its green LED blinks when the motor is on.

## Contact Us

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

▶ Email [sales@onsetcomp.com](mailto:sales@onsetcomp.com)

▶ Call 1-508-759-9500

▶ In U.S. toll free 1-800-564-4377

▶ Fax 1-508-759-9100

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

▶ Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)

▶ Call 1-508-759-9500

▶ In U.S. toll free 1-877-564-4377

Onset Computer Corporation

470 MacArthur Boulevard

Bourne, MA 02532