

H14-002

## HOBO External Input Temperature Data Logger

Discontinued

The HOBO LCD two-channel data logger has LCD readout and alarm capability, and requires an external probe for operation. Temperature probes can be used underwater, and the Temperature probe is suitable for intermittent condensing environments. An alarm display and built-in relay for use with Onset's Remote Alarm and/or Autodialer accessories assure timely notification of alarm conditions. The HOBO LCD two-channel data logger has LCD readout and alarm capability, and requires an external probe for operation.

### Important Information

HOBO data loggers require HOBOWare software (USB interface cable included w/CD purchase) and a communications device. See compatible items below.



Compatible with  
**HOBOWare<sup>®</sup> Software**

[View upgrade options](#)



### Supported Measurements

Temperature

### Features

- Real-time display of Temperature
- Alarm display and output ensure timely notification of out-of-range conditions
- Two models to choose from-internal Temperature or external Temperature or Temperature sensors
- Optional Remote Alarm and Autodialer
- Optional protective case for wet or condensing environments

### 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

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470 MacArthur Boulevard  
Bourne, MA 02532

Technical Support (8am to 5pm 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

# HOBO External Input Temperature Data Logger (H14-002) Specifications

## Environmental

- Operating temperature range -20°C to +50°C, (-4°F to +122°F)
- Non-corrosive environment

## Logger Capabilities

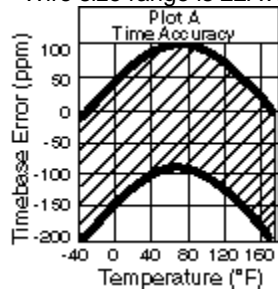
- Capacity: 65,136 measurements
- Software-selectable sampling intervals: 1 second up to 9 hours, recording times up to 1 year
- Programmable start time/date
- Recording modes: Stop when full, Wrap-around when full
- Nonvolatile EEPROM memory retains data even if batteries fail

## LCD

- Size: 33 x 50.8 mm (1.3 x 2 inches)
- Displays temperature
- Displays °C or °F (selectable within host software)
- Displays memory remaining
- Displays battery level
- Displays flashing ALERT for out-of-limits conditions (selectable within host software)

## ALERT

- High and low set points for both temperature and relative humidity
- ALERT conditions reset on offload
- ALERT relay output selectable: Normally Closed or Normally Open
- Contact rating: 48VDC, 1A max
- Contact resistance: less than 1 Ohm
- Wire size range is 22AWG to 14AWG



## Communications

- High Speed RS-232 serial offload
- Offloads to PC or Palm handheld with serial cable
- Offload speed 38.4Kbps. Readout full logger (64K) in less than 1 minute

## Timekeeping

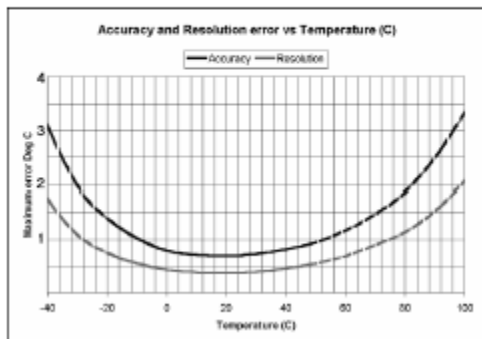
- Time accuracy:  $\pm 1$  minute per week at +20°C (+68°F), see

plot A

## Size/Weight:

- 125 x 92 x 31 mm (4.9 x 3.6 x 1.2 inches)
- 170 g (6.0 oz) with batteries

**Plot B**  
**Internal Temperature Sensor**  
**Accuracy/Resolution**



## Power

- 3 AAA Alkaline batteries, user-replaceable

## Internal Temperature Sensor

- Measurement range: -20°C to +50°C (-4°F to +122°F)
- Accuracy:  $\pm 0.7^\circ\text{C}$  at +20°C ( $\pm 1.3^\circ\text{F}$  at +68°F), see plot B
- Resolution:  $0.4^\circ\text{C}$  at +20°C ( $0.7^\circ\text{F}$  at +68°F)