

outdoor

# HOBO® Event

momentary contact events (relays)  
rain gauges  
turnstiles  
fixed-cycle machine usage

The HOBO Event records when momentary relay contact events happen, storing the time and date of each event. Only one time per event is stored to minimize memory usage for applications where the event duration is not needed.

## Ideal for Rainfall logging

The HOBO Event data logger connects to most standard tipping-bucket rain gauges to determine rainfall rates, times and duration. The HOBO Event eliminates the need to manually read rain gauges, saving time and insuring that critical readings are not missed. Use it to upgrade existing tipping-bucket systems by replacing counting-type displays.

## Key Specifications

- Measurement capacity of 8000 events
- Operating temperature (logger): -20° to 70°C (-4° to 158°F)
- Weatherproof case enclosure (avoid placing in direct sunlight)
- Event type: tips or relay contact openings
- Event Resolution: 0.5 seconds
- Minimum event duration: 20 microseconds (contact closed)

Size/Weight: 108 x 89 x 42 mm  
(4.3 x 3.5 x 1.8"); 94 g (3.3 oz)



## Features

### Reliable Performance

- Nonvolatile EEPROM memory retains data even if battery fails
- Battery check at launch
- Blinking LED inside case confirms operation
- Memory modes: Stop when full, Wrap around when full
- User-replaceable battery lasts 1 year

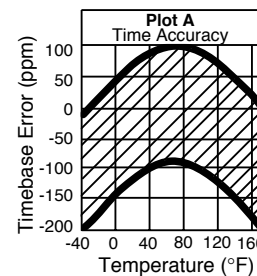
### Easy to Use

- Programmable start time/date
- Readout and relaunch in the field with optional HOBO Shuttle or HandCar® software for Palm™ handhelds

## Detailed Specifications

Relative Humidity Range  
(when case is open): 0 to 95%,  
noncondensing

Time Accuracy: ± one minute per  
week at 20°C (68°F) (see Plot A)



HandCar® software compatible



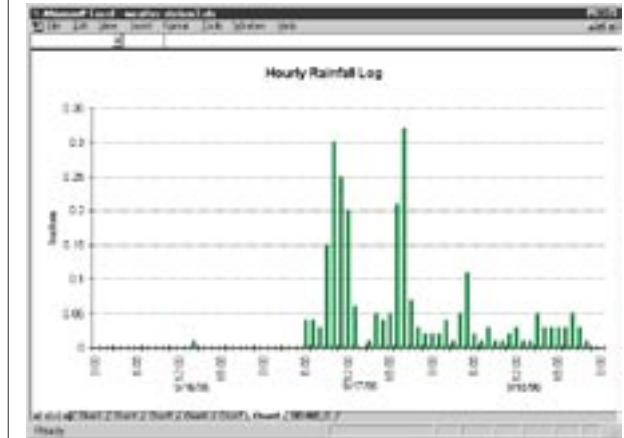
HOBO® Shuttle-compatible



Compliant with all relevant directives in the European Union (EU)

## Features for rainfall measurement

- Easily connects to 2-wire output or 2-screw terminals in the collector
- Compact, weatherproof case can be mounted inside or outside the rain collector (avoid direct sunlight)
- 8000-tip capacity for up to 80" of rainfall between readouts with 0.01" tipping-bucket collectors
- User-entered units to match with rain-gauge collector
- Programmable lockout time to filter out false counts due to tipping-bucket bounce
- Tip counts logged with time information to enable rainfall intensity determination



## HOBO Event Logger Ordering

Description	Part No.
HOBO Event logger	H07-002-04
HOBO Shuttle	H09-002-08
BoxCar Pro 4.3 Starter Kit (Windows)	BCP4.3-DL
BoxCar 3.7 Starter Kit (Windows)	BC3.7-DL
HandCar Software for Palm™ handhelds	HC1.1
USB-Serial Adapter	CABLE-USB232
Replacement batteries (10)	HRB-TEMP

Note: A BoxCar Pro 4.3 or BoxCar 3.7 starter kit is required to operate HOBO Event loggers. Each starter kit includes software, PC interface cable and software manual. HandCar requires Palm™ to logger cable. Use with a USB port requires a USB Serial Adapter and BoxCar Pro 4.3.