

outdoor HOBO® Pendant Event

events/rainfall & temperature
with direct USB interface

The HOBO® Pendant Event records momentary contact events and temperature. Event data is only stored when it happens, which results in efficient memory usage while still providing detailed event data. Temperature data is recorded at a user-defined logging interval.

The HOBO Pendant Event data logger is ideal for rainfall logging; it 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.

HOBO Pendant Event Features

External Event type: relay contact closure or rain gauge "tips"
Temperature Measurement Range: -20° to 70°C (-4° to 158°F)
Memory Capacity: 64K; number of data points depends on event interval: 16K to 23K events when recording events only
25K to 30K data points when recording events & temperature

Ideal for rainfall logging
Includes cable for easy connection to tipping-bucket rain gauges
Compact weatherproof case can be mounted in a rain collector, or in a solar radiation shield to measure temperature
Capacity to store over 16,000 tips, which is 160" of rainfall with a 0.01" rain gauge
Data can be viewed directly in inches or millimeters
Lockout eliminates false readings from tipping-bucket bounce
Tips are logged with time-stamps to determine rainfall intensity.
Patented technology (U.S. Patent 6,826,664)



HOBOWare® for Windows-compatible



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



Size/Weight: 7.1 x 3.3 x 2.3 cm
(2.8 x 1.3 x 0.9"); 50 g (1.7 oz)

Specifications

External event input

Connection: 2m (6') cable with 2-wire input (24 AWG)
Maximum input frequency: 1 Hz
Resolution: 1.0 second
Minimum contact closure: 1 ms
Lockout: 500ms (to eliminate false counts from contact bounce)

Temperature

Range: -20° to 70°C
(-4° to 158°F)
Accuracy: 0.47°C at 25°C
(0.85°F at 77°F); a solar radiation shield is required for accurate temperature measurements in sun.
Resolution: 0.10°C at 25°C
(0.18°F at 77°F)

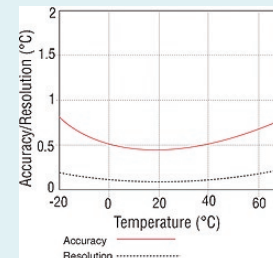
Response time in airflow
2 m/s (4.4 mph):
10 minutes typical to 90%

Optional NIST traceable certification (temperature only)
Memory Capacity: 64K; number of data points depends on event interval: 16K to 23K events when recording events only; 25K to 30K data points when recording events and temperature

Data stored in non-volatile memory that retains data even if battery fails

Operating Range: -20° to 70°C (-4° to 158°F)
Weatherproof housing tested to NEMA 6 and IP67
Drop-proof to 1.5m (5')

Time Accuracy: ± 1 minute/month at 25°C (77°F)
Battery: CR2032 user-replaceable; 1-year battery life (typical)



Optic USB Base Station and Coupler

The Optic USB Base Station offloads a full 64K logger in 30 seconds. The Base Station connects directly to a USB port on a computer, and the coupler connects the logger to the Base Station. The Optic Base Station is splash resistant.



HOBO Pendant Event Ordering

Description	Part No.
HOBO Pendant Event	UA-003-64
Optic Base Station for Pendant	BASE-U-1
HOBOWare Starter Kit (for Windows)	BHW-PC
Solar Radiation Shield (unassembled)	RS1

Notes: A HOBOWare software starter kit, an Optic USB Base Station, and a Coupler are required to operate the HOBO Pendant Event loggers. Each kit includes software, USB cable and software manual. The Optic Base Station includes a base station and a Pendant Coupler.