**HOBO Pendant Event
Data Logger**

Model: 106-0036

Option:
• Request to install in any
  TR-525 series rain gauge.

Required Items:
• HOBOware 2.x or later (go to
  www.onsetcomp.com/
  hoboware-free-download)
• USB cable
• Pendant Optic USB Base
  Station & Coupler (BASE-U-1)
• Optic USB Base Station
  (BASE-U-4) or HOBO
  Waterproof Shuttle (U-DTW-
  1) & Coupler (COUPLER2-A)

The HOBO Pendant Event/Temp Data Logger is a rugged, weatherproof event logger with a 10-bit temperature sensor. It is ideal for use with tipping-bucket rain gauges, and can record tens of thousands of measurements and events. The logger uses a coupler and optical base station with USB interface for launching and data readout by a computer.

Specifications

External Event Input

Event Sensor	Two-wire interface suitable for measuring mechanical and electrical contact closures
Maximum Input Frequency	1 Hz (1 pulse per second)
Lockout Time	500 ms
Minimum Pulse Width	1 ms (hardware debounce)
Input/Output Impedance	100 kΩ
Edge Detection	Falling edge, contact closure, or Schmitt-trigger buffer
Open Circuit Input Voltage	Battery voltage; nominally 3.0 V
Maximum Input Voltage	Battery voltage + 0.3 V
User Connection	24 AWG, 2 leads: white (+), black (-)

Temperature Measurement

Measurement Range	-20° to 70°C (-4° to 158°F)
Accuracy	±0.53°C from 0° to 50°C (±0.95°F from 32° to 122°F), see Plot A. A solar radiation shield is required for accurate temperature measurements in sunlight.
Resolution	0.14°C at 25°C (0.25°F at 77°F), see Plot A
Drift	Less than 0.1°C/year (0.2°F/year)
Response Time	Airflow of 2 m/s (4.4 mph): 10 minutes, typical to 90%

Logger

Time Accuracy	±1 minute per month at 25°C (77°F), see Plot B
Operating Range	-20° to 70°C (-4° to 158°F)
Environmental Rating	Tested to NEMA 6 and IP67; suitable for deployment outdoors
Drop Specification	1.5 m (5 ft) onto concrete
NIST Traceable Certification	Available for temperature only at additional charge; temperature range -20° to 70°C (-4° to 158°F)
Battery	CR-2032 3V lithium battery; 1 year typical use
Memory	64K bytes; see *Data Storage*.
Materials	Polypropylene case; stainless steel screws; Buna-N o-ring; PVC cable insulation
Weight	50 g (1.7 oz.)
Dimensions	71 x 33 x 23 mm (2.8 x 1.3 x 0.9 inches); 1.8 m (6 ft) cable

CE   The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).