



- Small - Waterproof 3-Channel Data Logger
- Measures & logs dynamic acceleration resulting from Motion, Shock, or Vibration
- Detects & logs static acceleration of gravity resulting from Tilt, Activity, or Inclination
- Stores approx. 21,800 combined (x- y- z-) axis logger events
- Readout via HOBOWare PC or MAC software and Base Station

HOBO Pendant G Acceleration Data Logger

The UA- 004-64 HOBOPendant G Acceleration Data Logger is a waterproof , three-channel logger with 8-bit resolution and can record up to approximately 21,800 combined x-, y-, and z- axis acceleration readings or internal logger events. The logger requires HOBOWare software, a coupler and an optical base station with USB interface for launching and data readout by a computer.

The logger can be used for a wide variety of engineering, transport, field studies and experiments by measuring dynamic acceleration resulting from motion, shock or vibration. It can also detect static acceleration of gravity making it possible to detect tilt, activity and inclination.

The logger uses an internal three-axis accelerometer with a range of $\pm 3g$ based on micro-machined silicon sensors consisting of beams that deflect with acceleration. These beams are arranged to act as a variable capacitor. As the beams move, the capacitance changes proportionally. This capacitance change is converted to voltage, filtered and measured by the logger, and displayed in the software in units of g-force.

Acceleration	Measurement Range: ± 3 G Accuracy: $\pm 2.5\%$ FS @ 25°C Resolution (8-bit): 0.02 G
Tilt / Motion	Measurement Range: 0° to 180° from vertical
Sample Rate	100 per second (100 Hz) to 18 hours, user selectable
Time Accuracy	+1 min per month at 25°C
Operating Range	In water/ice: -20°C to +50°C In air: -20°C to +70°C
Water Depth Rating	30m from -20°C to +20°C
Battery Life	1 year (typical) User replaceable
Memory	64,000 1-axis measurement 32,000 2-axis measurements 21,333 3-axis measurements
Materials	Polypropylene case, s/s screws, Buna- o-ring
Dimensions/Weight	58 x 33 x 23mm / 18g

Order Information

Part No

Pendant G Logger	UA-004-64
Pendant Base Station	BASE-U-1
HOBOWare Pro Software (Windows)	BHW-PC
HOBOWare Pro Software (MAC)	BHW-MAC
HOBOWare Lite Software	BHW-LITE
HOBO U-Shuttle (requires Base Station)	U-DT-1
HOBO Waterproof Shuttle with Couplers	U-DTW-1

Pendant G Logger Kit: Logger, base station, and software - everything necessary for monitoring acceleration or angular displacement –
Part No. KIT-UA-004-64