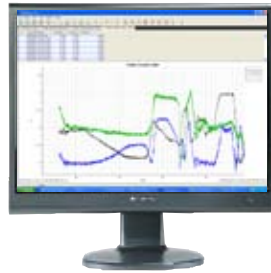


- Low-cost temperature, light intensity, and acceleration loggers
- Waterproof housing for wet or underwater use
- Data readout in less than 30 seconds via fast Optic USB interface



USB



BASE-U-1



Pendant

BASE-U-1 is recommended with this logger

HOBO Pendant Loggers

Memory: UA-001-08 — 6,500 measurements
 UA-001-64 — 52,000 measurements
 UA-002-08 — 3,500 temperature & light measurements
 UA-002-64 — 28,000 temperature & light measurements
 Sample rate: 1 second to 18 hours, user-selectable
 Battery life: 1-year (typical)—user-replaceable



Temperature

Measurement range: -20° to 70°C (-4° to 158°F) in air
 -20° to 50°C (-4° to 122°F) in water
 Accuracy: ±0.47°@ 25°C (±0.85°@ 77°F)
 Resolution (10-bit): 0.1°@ 25°C (0.2°@ 77°F)
 Response Time: 15 minutes (to 90% in airflow of 1 m/s)
 5 minutes (to 90% in water)

NIST-traceable temperature accuracy certification available.

Light Intensity

UA-002-08 & UA-002-64 only
 Designed for general purpose measurement of relative light levels
 Range: 0-323,000 lumens/m² [0-30,000 footcandles (lumens/ft²)]

HOBO Pendant G

Memory: UA-004-64 — 64,000 1-axis measurement
 — 32,000 2-axes measurements
 — 21,333 3-axes measurements
 Sample rate: 100 per second (100 Hz) to 18 hours, user-selectable
 Battery life: 1-year (typical)—user-replaceable
 Operating range: -20° to 70°C (-4° to 158°F) in air
 -20° to 50°C (-4° to 122°F) in water








Acceleration

Measurement range: ± 3 G
 Accuracy: ±2.5% FS @ 25°C (77°F)—Factory calibrated
 Resolution (8-bit): 0.02 G

Tilt/Motion

Measurement range: 0° to 180° from vertical

HOBO Pendant Comparison & Ordering Information

		Temperature w/ Alarm Logger	Temperature w/ Alarm Logger	Temperature/ Light Logger	Temperature/ Light Logger	Acceleration/ Tilt/Motion
						
Product Number		UA-001-08	UA-001-64	UA-002-08	UA-002-64	UA-004-64
Number of Channels		1	1	2	2	3
Internal Sensors	Temperature	yes	yes	yes	yes	--
	Light Intensity	--	--	yes	yes	--
	Acceleration	--	--	--	--	yes
Size	cm	5.8 x 3.3 x 2.3	5.8 x 3.3 x 2.3	5.8 x 3.3 x 2.3	5.8 x 3.3 x 2.3	5.8 x 3.3 x 2.3
	inches	2.3 x 1.3 x 0.9	2.3 x 1.3 x 0.9	2.3 x 1.3 x 0.9	2.3 x 1.3 x 0.9	2.3 x 1.3 x 0.9
Hole in mounting bail	mm	3.2	3.2	3.2	3.2	3.2
	inches	0.13	0.13	0.13	0.13	0.13
Weight	grams	18	18	18	18	18
	ounces	0.6	0.6	0.6	0.6	0.6

Complete system requires logger, software and base station.

Software, Communications and Accessories

Software*

HOBOWare Pro Software (Windows®)	BHW-PC
HOBOWare Pro Software (Mac®)	BHW-MAC
Pendant Base Station**	BASE-U-1
HOBOWare Lite	BHW-LITE

Optional Communications and Accessories

HOBO U-Shuttle (requires Base Station)	U-DT-1
HOBO Waterproof Shuttle with Couplers	U-DTW-1
Solar Radiation Shield***	RS1

* Compatible with HOBOWare Pro or HOBOWare Lite software. See page 28 and 29 for details.

** HOBO Waterproof Shuttle or Optic USB Base Station (BASE-U-4) may be used instead of the Pendant Base Station (See page 30 for details on Data Shuttles and Base Stations).

*** Accurate temperature measurements in sunlight require a radiation shield.