

HOBO Pendant Loggers



HOBO Pendant data loggers are economical, weatherproof and waterproof temperature data loggers designed for a variety of short and long-term monitoring applications.

Key Advantages:

- 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



BASE-U-1 is required with these loggers

Weatherproof housing tested to NEMA 6 and IP67

HOBO Pendant Loggers

Memory:	UA-001-08 — 6,500 temperature measurements UA-001-64 — 52,000 temperature 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
Water Depth Rating:	30m from -20 to 20°C (100' from -4° to 68°F)



Temperature

Measurement range:	-20° to 70°C (-4° to 158°F) in air -20° to 50°C (-4° to 122°F) in water
Accuracy:	± 0.54°C from 0° to 50°C (0.97°F from 32° to 122°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/m ² [0-30,000 footcandles (lumens/ft ²)]

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
Accuracy:	±4.3° @ 90° to ±22.3° @ 0° and 180°
Resolution (8-bit):	±4.3° @ 90° to ±13° @ 0° and 180°




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HOBO Pendant Comparison						
		Temperature w/ Alarm Logger	Temperature w/ Alarm Logger	Temperature/ Light Logger	Temperature/ Light Logger	Acceleration/ Tilt/Motion
						
		UA-001-08	UA-001-64	UA-002-08	UA-002-64	UA-004-64
		\$42	\$59	\$42	\$59	\$75
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 or shuttle.

Ordering Information		
Data Loggers		
<i>IEI offer discounts on the retail prices shown below. Contact us for a quote.</i>		
HOBO Pendant Temperature w/Alarm, 8k	UA-001-08	\$42
HOBO Pendant Temperature w/Alarm, 64k	UA-001-64	\$59
HOBO Pendant Temperature w/Light, 8k	UA-002-08	\$42
HOBO Pendant Temperature w/Light, 64k	UA-002-64	\$59
HOBO Pendant Acceleration/Tilt/Motion	UA-004-64	\$75
Software		
HOBOware Pro Software (Windows/Mac)	BHW-PRO-CD	\$99
Pendant Base Station**	BASE-U-1	\$65
Optional Communications and Accessories		
HOBO U-Shuttle (requires Base Station)*	U-DT-1	\$260
HOBO Waterproof Shuttle with Couplers*	U-DTW-1	\$230
Solar Radiation Shield***	M-RSA	\$105
* Requires HOBOware Pro software.		
** HOBO Waterproof Shuttle or Optic USB Base Station (BASE-U-4) may be used instead of the Pendant Base Station (BASE-U-1).		
*** Accurate temperature measurements in sunlight require a radiation shield. Prices subject to change		
HOBOware includes USB interface cable		



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