



HOBO[®] Pro v2 Loggers

Weatherproof loggers for outdoor temperature and humidity measurements

HOBO Pro v2 data loggers are weatherproof loggers that provide high-accuracy temperature and relative humidity measurements in a wide range of outdoor environments.

Supported Measurements:

Temperature, Relative Humidity, Dew Point

Key Advantages:

- Weatherproof housing for use in outdoor or condensing environments
- High-accuracy measurements
- Relative Humidity sensor provides fast response and superior recovery from condensing conditions
- Small-diameter, external sensor versions for measurements in tight spaces
- Optic USB interface for fast and reliable download



Minimum System Requirements:



Software



Base Station*



Coupler¹

*HOBO Base Station or HOBO Waterproof Shuttle required.

¹Coupler included with HOBO Base Station or HOBO Waterproof Shuttle.

► For complete information and accessories, please visit: www.onsetcomp.com

Part number	U23-001A (Internal Temp/RH)	U23-002A (External Temp/RH)	U23-003 (2x External Temp)	U23-004 (Temp/External Temp)
Memory	42,000 measurements			
Sampling rate	1 second to 18 hours, fixed rate or multiple logging intervals			
Battery life	3 years typical, user-replaceable, 1/2 AA lithium			
	Internal Temperature			
Measurement range	-40° to 70°C			
Accuracy	U23-001A: ±0.25°C from -40 to 0°C, ±0.2°C from 0 to 70°C / U23-004: ±0.21°C from 0° to 50°C			
Resolution (12-bit)	U23-001A: 0.04°C / U23-004: 0.02°C at 25°C			
Stability (drift)	U23-001A: <0.01°C per year / U23-004: <0.1°C per year			
	Relative Humidity (U23-001A & U23-002A only)			
Measurement range	0 to 100% RH, -40° to 70°C			
Accuracy	±2.5% from 10%RH to 90%RH typical to a maximum of ±3.5% including hysteresis at 25°C; below 10%RH and above 90%RH ±5% typical			
Resolution (12-bit)	0.05%RH			
	External Temperature			
Measurement Range	U23-002A: -40° to 70°C, U23-003 & U23-004: -40° to 100°C with sensor tip and cable immersion in fresh water up to 50°C for one year			
Accuracy	U23-002A: ±0.25°C from -40 to 0°C, ±0.2°C from 0 to 70°C / U23-003 & U23-004: ±0.21°C from 0° to 50°C			
Resolution	U23-001A: 0.04°C / U23-003 & U23-004: 0.02°C at 25°C			
Dimensions	Housing measures 10.2 × 3.8 cm			
CE compliant	Yes			

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email sales@onsetcomp.com
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Technical Support (8am to 8pm ET, Monday through Friday)

- Contact Product Support onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

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