



## 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
- Replaceable RH sensor provides 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\*



Coupler<sup>1</sup>



\*HOBO Base Station or HOBO Waterproof Shuttle required.

<sup>1</sup>Coupler included with HOBO Base Station or HOBO Waterproof Shuttle.

► For complete information and accessories, please visit: [www.onsetcomp.com](http://www.onsetcomp.com)

Part number	U23-001 <sup>2</sup> (Internal Temp/RH)	U23-002 <sup>2</sup> (External Temp/RH)	U23-003 (2x External Temp)	U23-004 (Temp/External Temp)
<b>Memory</b>	42,000 measurements			
<b>Sampling rate</b>	1 second to 18 hours, fixed rate or multiple logging intervals			
<b>Battery life</b>	3 years typical, user-replaceable, 1/2 AA lithium			
	<b>Internal Temperature</b>			
<b>Measurement range</b>	-40° to 70°C (-40° to 158°F)			
<b>Accuracy</b>	± 0.21°C over 0° to 50°C (± 0.38°F over 32° to 122°F)			
<b>Resolution (12-bit)</b>	± 0.02°@ 25°C (± 0.04°@ 77°F)			
<b>Stability (drift)</b>	< 0.1°C (0.18°F) per year			
	<b>Relative Humidity (U23-001 &amp; U23-002 only)</b>			
<b>Measurement range</b>	0 to 100% RH, -40° to 70°C (-40° to 158°F)			
<b>Accuracy</b>	±2.5% from 10%RH to 90%RH typical to a maximum of ±3.5% including hysteresis at 25°C (77°F); below 10%RH and above 90%RH ±5% typical			
<b>Resolution (12-bit)</b>	0.05%RH			
	<b>External Temperature</b>			
<b>Measurement Range</b>	U23-002: -40° to 70°C (-40° to 158°F), U23-003 & U23-004: -40° to 100°C (-40° to 212°F) with sensor tip and cable immersion in fresh water up to 50°C (122°F) for one year			
<b>Accuracy</b>	± 0.21°C from 0° to 50°C (± 0.36°F from 32° to 122°F)			
<b>Resolution</b>	0.02°@ 25°C (0.04°@ 77°F)			
<b>Dimensions</b>	Housing measures 10.2 × 3.8 cm (4.0 × 1.5 in.)			
<b>CE compliant</b>	Yes			