

# 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  
See pg 37



Base Station\*  
See pg 47



Coupler<sup>1</sup>

► 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% to 90% RH (typical), to a maximum of ± 3.5% including hysteresis			
<b>Resolution (12-bit)</b>	0.03%			
<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			

\*HOBO Base Station or HOBO Waterproof Shuttle required. See pages 47-48 for more details.

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

<sup>2</sup>Note: Temp & RH NIST certification services available for this product. Please visit [onsetcomp.com](http://onsetcomp.com), or call us at 1-800-564-4377.