



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*



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 | U23-001 ² (Internal Temp/RH) | U23-002 ² (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 (-40° to 158°F) | | | |
| Accuracy | ± 0.21°C over 0° to 50°C (± 0.38°F over 32° to 122°F) | | | |
| Resolution (12-bit) | ± 0.02°@ 25°C (± 0.04°@ 77°F) | | | |
| Stability (drift) | < 0.1°C (0.18°F) per year | | | |
| | Relative Humidity (U23-001 & U23-002 only) | | | |
| Measurement range | 0 to 100% RH, -40° to 70°C (-40° to 158°F) | | | |
| Accuracy | ± 2.5% from 10% to 90% RH (typical), to a maximum of ± 3.5% including hysteresis | | | |
| Resolution (12-bit) | 0.03% | | | |
| | External Temperature | | | |
| Measurement Range | 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 | | | |
| Accuracy | ± 0.21°C from 0° to 50°C (± 0.36°F from 32° to 122°F) | | | |
| Resolution | 0.02°@ 25°C (0.04°@ 77°F) | | | |
| Dimensions | Housing measures 10.2 × 3.8 cm (4.0 × 1.5 in.) | | | |
| 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

Onset Computer Corporation
470 MacArthur Boulevard
Bourne, MA 02532