



HOBO[®] UX100 Loggers

Next-generation family of temperature and humidity data loggers

The HOBO UX100 Series is Onset's next-generation family of data loggers for tracking temperature and relative humidity in indoor environments.

HOBO UX100 Series offer a dramatic price/performance advantage over competitive products by delivering higher accuracy, larger measurement capacity, and more LCD display features to make environmental data collection faster and easier than ever. The loggers provide a variety of features to reduce deployment time, and offer new logging modes for recording and displaying more detailed data without extensive post-processing or memory use.



Supported Measurements:

Temperature, Relative Humidity, Dew Point

Key Advantages:

- Large memory capacity
- Flexible mounting options
- Visual high & low alarm thresholds
- New Burst and Statistics logging modes
- User-replaceable RH sensors
- Temp, humidity, and thermocouple models available

Minimum System Requirements:



Software



USB cable*

*USB cable included with software part # BHW-PRO-CD

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

| Part number | UX100-001 (Temp) | UX100-003* (Temp/RH) | UX100-011* (Temp/RH) | UX100-023* (Ext Temp/RH) |
|--|---|---|-------------------------|-----------------------------|
| Memory | 84,650 measurements | | | |
| Sampling Rate | 1 second to 18 hours, user-selectable | | | |
| Battery Life | 1 year typical with logging rate of 1 minute and sampling interval of 15 seconds or greater, user-replaceable, CR2032 | | | |
| Dimensions | 3.66 x 5.94 x 1.52 cm (1.44 x 2.34 x 0.6 in.) | 3.66 x 8.48 x 1.52 cm (1.44 x 3.34 x 0.6 in.) | | |
| Temperature | | | | |
| Range | -20° to 70°C (-4° to 158°F) | | | |
| Accuracy | ±0.21°C from 0° to 50°C (±0.38°F from 32° to 122°F) | | | |
| Resolution | 0.024°C at 25°C (0.04°F at 77°F) | | | |
| Response Time (airflow of 1 m/s (2.2mph)) | 8 minutes to 90% | 4 minutes to 90% | | 6 minutes to 90% |
| Relative Humidity | | | | |
| Range | n/a | 15% to 95% | 1% to 95% | |
| Accuracy | n/a | ±3.5% from 25% to 85% | ±2.5% from 10% to 90% | |
| Resolution | n/a | 0.07% at 25°C (77°F) | 0.05% at 25°C (77°F) | |
| Response Time (airflow of 1 m/s (2.2mph)) | n/a | 43 seconds to 90% | 11 seconds to 90% | 5 minutes to 90% |
| CE compliant | Yes | | | |

| Part number | UX100-014M (Thermocouple) | | |
|---|--|--|--------------------|
| Memory | 208,076 measurements | | |
| Sampling Rate | 1 second to 18 hours, user-selectable | | |
| Battery Life | 1 year, typical with logging rate of 1 minute and sampling interval of 15 seconds or greater, user-replaceable, CR2032 | | |
| Dimensions | 3.66 x 8.48 x 1.52 cm (1.44 x 3.34 x 0.6 in.) | | |
| Operating Range | Logging: -20° to 70°C (-4° to 158°F); 0 to 95% RH (non-condensing) | | |
| Thermocouple (probes sold separately) | Range | Accuracy | Resolution |
| Type J | -210° to 760°C (-346° to 1,400°F) | ±0.6°C (±1.08°F) ± thermocouple probe accuracy | 0.03°C (0.06°F) |
| Type K | -260° to 1,370°C (-436° to 2,498°F) | ±0.7°C (±1.26°F) ± thermocouple probe accuracy | 0.04°C (0.07°F) |
| Type T | -260° to 400°C (-436° to 752°F) | ±0.6°C (±1.08°F) ± thermocouple probe accuracy | 0.02°C (0.03°F) |
| Type E | -260° to 950°C (-436° to 1,742°F) | ±0.6°C (±1.08°F) ± thermocouple probe accuracy | 0.03°C at (0.05°F) |
| Type R | -50° to 1,550°C (-58° to 2,822°F) | ±2.2°C (±3.96°F) ± thermocouple probe accuracy | 0.08°C (0.15°F) |
| Type S | -50° to 1,720°C (-58° to 3,128°F) | ±2.2°C (±3.96°F) ± thermocouple probe accuracy | 0.08°C (0.15°F) |
| Type B | 550° to 1,820°C (1,022° to 3,308°F) | ±2.5°C (±4.5°F) ± thermocouple probe accuracy | 0.1°C (0.18°F) |
| Type N | -260° to 1,300°C (-436° to 2,372°F) | ±1.0°C (±1.8°F) ± thermocouple probe accuracy | 0.06°C (0.11°F) |

*Note: Temp & RH NIST certification services available for this product. Please visit onsetcomp.com, or call us at 1-800-564-4377.

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