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## 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.hobodataloggers.com.au](http://www.hobodataloggers.com.au)

| Part number                                  | UX100-001<br>(Temp)   | UX100-003*<br>(Temp/RH)                       | UX100-011*<br>(Temp/RH) | UX100-023*<br>(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<br>(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<br>(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<br>(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<br>(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](http://onsetcomp.com), or call us at 1-800-564-4377.

## HOBO Data Loggers Australia

### Contact Us

Sales (8:30am to 5pm, Monday through Friday)

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