

UX100-003

HOBO Temperature/Relative Humidity 3.5% Data Logger



With integrated sensors to measure and record temperature and relative humidity (within 3.5% accuracy) in indoor environments.

Important Information

Requires HOBOWare software and a USB cable. (Note: A USB-A to USB-B mini cable is included w/HOBOWare Pro USB Drive software purchase). See compatible items below.



Compatible with
HOBOWare® Software

Supported Measurements

Dew Point, Relative Humidity, Temperature

Features

- Easy-to-view LCD display
- Large memory capacity
- Visual high & low alarm thresholds
- Burst and Statistics logging modes
- User-replaceable Relative Humidity sensor
- Compatible with HOBOWare and HOBOWare Pro software for logger setup and graphing & analysis

What's in the box

- HOBO UX100-003 Temp/RH 3.5% Data Logger
- Command™ strip
- Double-sided tape
- Hook & loop strap

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

Onset Computer Corporation
470 MacArthur Boulevard
Bourne, MA 02532

Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

HOBO Temperature/Relative Humidity 3.5% Data Logger (UX100-003) Specifications

Temperature Sensor

Range	-20° to 70°C (-4° to 158°F)
Accuracy	±0.21°C from 0° to 50°C , see manual for plot (±0.38°F from 32° to 122°F , see manual for plot)
Resolution	0.024°C at 25°C , see manual for plot (0.04°F at 77°F , see manual for plot)
Response Time	4 minutes in air moving 1 m/s (2.2 mph)
Drift	<0.1°C per year (0.18°F per year)

RH Sensor

Range	15% to 95% (non-condensing)
Accuracy	±3.5% from 25% to 85% including hysteresis at 25°C (77°F); below 25% and above 85% ±5% typical
Resolution	0.07% at 25°C (77°F) and 30% RH
Response Time	43 seconds to 90% in airflow of 1 m/s (2.2 mph)
Drift	<1% per year typical

Logger

Logger Operating Range	Logging: -20° to 70°C (-4° to 158°F); 0 to 95% RH (non-condensing) Launch/Readout: 0° to 50°C (32° to 122°F) per USB specification
Logging Rate	1 second to 18 hours, 12 minutes, 15 seconds
Logging Modes	Fixed interval (normal), burst, or statistics
Memory Modes	Wrap when full or stop when full
Start Modes	Immediate, push button, date & time, or next interval
Stop Modes	When memory full, push button, or date & time
Restart Mode	Push button
Time Accuracy	±1 minute per month at 25°C (77°F)
Power Source	One 3V CR2032 lithium battery and USB cable
Battery Life	1 year, typical with logging rate of 1 minute and sampling interval of 15 seconds or greater
Memory	128 KB (84,650 measurements, maximum)
Download Type	USB 2.0 interface
Full Memory Download Time	20 seconds
LCD	LCD is visible from 0° to 50°C (32° to 122°F); the LCD may react slowly or go blank in temperatures outside this range
Size	3.66 x 8.48 x 1.52 cm (1.44 x 3.34 x 0.6 in.)
Weight	30 g (1.06 oz)
Environmental Rating	IP50

