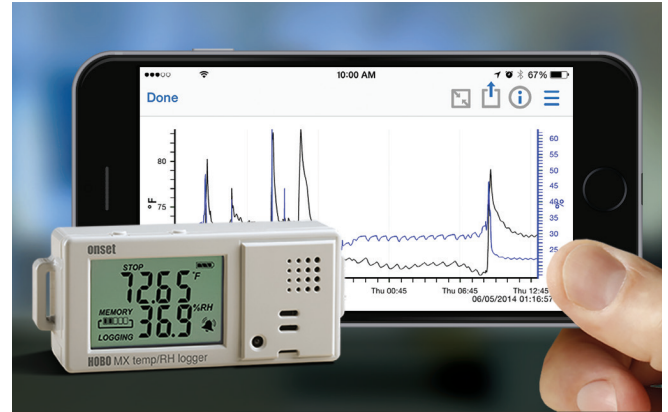


HOBO® MX1101 Data Logger

Bluetooth low energy temperature and relative humidity data logger

Onset's HOBO MX1101 is a Low Energy (BLE) data logger that measures and transmits temperature and relative humidity data wirelessly to mobile devices via BLE Smart technology.

The self-contained wireless data logger, which works with Onset's free HOBOMobile® app for logger setup and data management, enables users to access data anytime from their mobile device over a 100-foot range. It communicates instantly and enables you to "cut the cord" by requiring no dedicated equipment beyond a mobile device for configuring the logger or reading out data. This saves considerable time and money.



Supported Measurements:

Temperature, Relative Humidity, Dew Point

Key Advantages:

- BLE enabled for use with mobile devices
- No internet access, cables, or computer required
- Download data any time from 100 ft. away
- Audible and visual alarms keep you notified of problems
- Easily share data and graph images for analysis

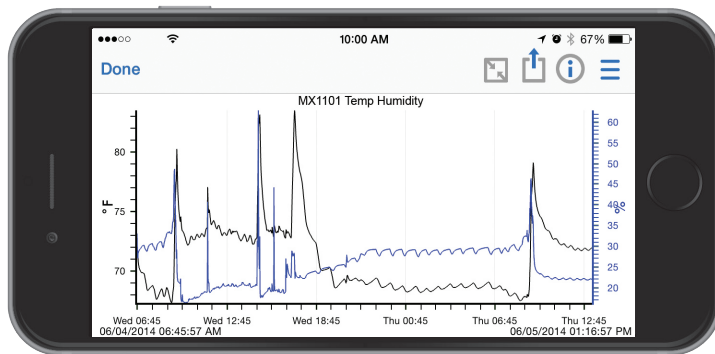
Minimum System Requirements:



HOBOMobile app



Mobile device*



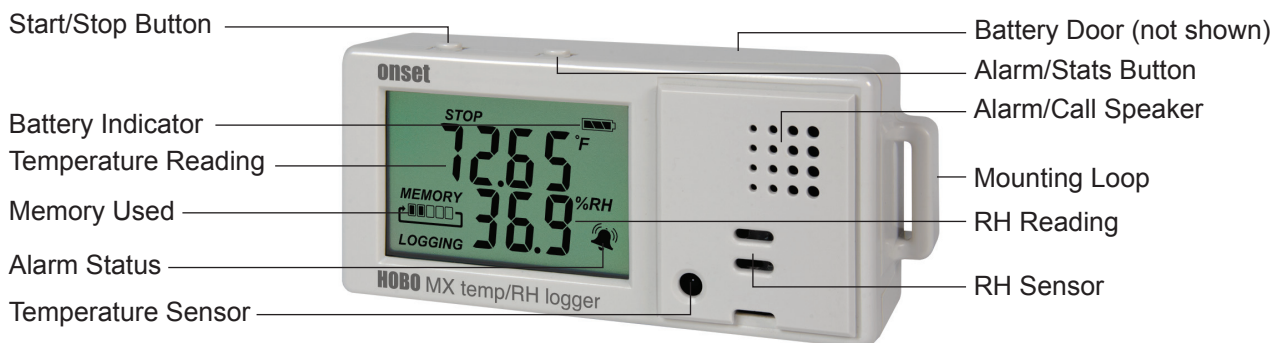
Using Onset's free HOBOMobile® app, you can view data in graphs, check the operational status of loggers, configure alarm notifications, and share data files.

The logger is ideal for use in a range of building monitoring applications, such as tracking storage temperatures in a food warehouse, keeping tabs on humidity levels in a museum, or investigating occupant comfort complaints in an office building.



*Mobile device with: -iOS 8.0, 8.1, 8.2, 8.3 -Bluetooth 4.0

HOBO® MX1101 Data Logger



Part number	MX1101
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, 2AAA
Dimensions	3.66 x 8.48 x 2.29 cm (1.44 x 3.34 x 0.9 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	7.30 minutes in air moving 1 m/s (2.2 mph)
Relative Humidity	
Range	1% to 95%
Accuracy	±2% from 20% to 80% at 25°C (77°F)
Hysteresis	±2% RH
Resolution	0.01% at 25°C (77°F)
Response Time	20 seconds to 90% in airflow of 1 m/s (2.2 mph)
CE compliant	Yes
Mobile Device Compatibility	iOS 7.1 or later, or Android 4.4 or later, and Bluetooth 4.0 or later
Bluetooth Compatibility	Bluetooth 4.0 or later (Bluetooth Low Energy, Bluetooth Smart)



HOBO® UX90 Loggers

Next-generation time-of-use loggers for fast, reliable monitoring

The award-winning HOBO UX90 Series is the industry's lowest-cost, most comprehensive family of "time-of-use" data loggers. The new toolbox suite includes LCD-display data loggers for measuring motor on/off status, electronic pulses, state changes, and occupancy and light-use patterns.

Leveraging patent-pending technology, HOBO UX90 data loggers streamline energy audits and make field deployment fast and reliable.

Supported Measurements: State, Pulse, Event, Runtime, Light On/Off, Motor On/Off, Occupancy/Light

Key Advantages:

- LCD displays Time On or % On, providing instant feedback
- Auto-calibration & signal strength indicator ensure proper deployment
- 84k or 346k measurement capacity enables longer deployments
- Rare-earth magnets, 3M Command™ Strips, or mounting tabs for reliable mounting
- Flexible logger Start and Stop options
- HOBOWare Pro allows for easy setup of hundreds of loggers

Minimum System Requirements:



Software



USB cable*



1.800.561.8187

www.itm.com

information@itm.com

For the most accurate readings, use of Light Pipe UX90-LIGHT-PIPE-1 is recommended to eliminate the effects of ambient light.

Part number	UX90-001 (State)	UX90-002 (Light On/Off)	UX90-004 (Motor On/Off)	UX90-005 (Occupancy/Light)	UX90-006 (Occupancy/Light)
Memory	84,000 measurements				
Part number	UX90-001/M	UX90-002M	UX90-004M	UX90-005M	UX90-006M
Memory	346,000 measurements				
INTERNAL SENSOR					
Maximum state, event, runtime frequency	1 Hz	--	--	--	--
Light threshold	--	65 lux	--	65 lux	
Light type	--	LED, CFL, fluorescent, HID, incandescent, natural	--	LED, CFL, fluorescent, HID, incandescent, natural	
AC magnetic field threshold	--	--	> 40 mGauss at 60 Hz	--	--
Maximum sensor detection range	--	--	--	5 m (15.4 ft)	12 m (39.4 ft)
EXTERNAL INPUT					
External contact input	solid state closure or logic driven voltage output		--	solid state closure	--
Maximum state, event, runtime frequency	1 Hz	--	1 Hz	--	--
Maximum Pulse Frequency	50 Hz	--	--	--	--
Battery life	1 year typical, user replaceable, CR2032				
Operating range	-20° to 70°C (-4° to 158°F); 0-95% RH (non-condensing)				
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)	3.66 x 8.48 x 2.36 cm (1.44 x 3.34 x 0.93 in)	3.66 x 8.48 x 2.87 cm (1.44 x 3.34 x 1.13 in)
CE compliant	Yes				