

MX100

## HOBO Temperature Data Logger

### Bluetooth Temperature Monitoring

A low-cost, splash-proof, Bluetooth-enabled data logger that measures and transmits temperature data wirelessly to mobile devices or Windows computers.

#### Important Information

Requires a compatible mobile device or Windows computer running the HOBObconnect app. System requirements for the app can be found at the bottom of the HOBObconnect software page.



Compatible with  
**HOBObconnect® Monitoring App**

### Supported Measurements

Temperature

### Features

- Set up and offload loggers wirelessly from your mobile device or Windows computer
- Exceptional value for the convenience of a Bluetooth communication logger
- Splash-proof design enables use in damp environments and spray-down applications
- Easy to deploy, offload, and share temperature data using the HOBObconnect app
- Visual alarms on the logger display and mobile app keep you notified of problems
- Set up and start monitoring in minutes!

### What's in the box

#### Contact Us

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

- Email [sales@onsetcomp.com](mailto:sales@onsetcomp.com)
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
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Technical Support (8am to 5pm ET, Monday through Friday)

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- In U.S. toll free 1-877-564-4377

# HOBO Temperature Data Logger (MX100) Specifications

## Temperature Sensor

<b>Range</b>	-30° to 70°C (-22° to 158°F)
<b>Accuracy</b>	±1.0°C from -30° to -5°C (±1.8°F from -22° to 23°F) ±0.5°C from -5° to 50°C (±0.9°F from 23° to 122°F) ±1.0°C from 50° to 70°C (±1.8°F from 122° to 158°F)
<b>Resolution</b>	0.04°C (0.072°F)
<b>Drift</b>	<0.01°C per year (0.018°F per year)
<b>Response Time</b>	6 minutes typical to 90% in open air moving 1 m/s, unmounted

## Logger

<b>Logger Operating Range</b>	-30° to 70°C (-22° to 158°F)
<b>Radio Power</b>	1 mW (0 dBm)
<b>Transmission Range</b>	Approximately 30.5 m line-of-sight (Approximately 100 ft line-of-sight)
<b>Wireless Data Standard</b>	Bluetooth Low Energy (Bluetooth Smart)
<b>Logging Rate</b>	1 second to 18 hours
<b>Time Accuracy</b>	±1 minute per month at 25°C (±1 minute per month at 77°F)
<b>Battery</b>	CR2450 3V lithium, not replaceable
<b>Battery Life</b>	1 year, typical with logging interval of 1 minute and Bluetooth Always On enabled; 2 years, typical with logging interval of 1 minute and Bluetooth Always On disabled. Faster logging intervals, remaining connected with the app, excessive downloads, and paging may impact battery life.
<b>Memory</b>	30,000 measurements
<b>Full Memory Download Time</b>	Approximately 30 seconds; may take longer the farther the device is from the logger
<b>Dimensions</b>	6.9 x 4.5 x 1.1 cm (2.71 x 1.76 x 0.42 inches)
<b>Weight</b>	25.5 g (0.90 oz)
<b>Environmental Rating</b>	IP67

