

HOBO® MX100 Data Logger

Temperature

Onset's HOBO MX100 is a low-cost, splash-proof, Bluetooth-enabled data logger that measures and transmits temperature data wirelessly to mobile devices or Windows computers.

Ideal for a range of indoor monitoring applications, this self-contained wireless data logger lets you configure it and access temperature data at any time when within a 100-foot range, with no dedicated equipment beyond a mobile device or Windows computer running the HOBObconnect app.

Onset's free HOBObconnect app makes it fast and easy to view temperature graphs, check the operational status of MX100 loggers, configure alarm notifications, and share data files. You can download the app [here](#):



Key Advantages:

- 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!

HOBO MX100 Data Logger Specifications

Temperature Sensor

Range	-30° to 70°C (-22° to 158°F)
Accuracy	±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)
Resolution	0.04°C (0.072°F)
Drift	<0.01°C (0.018°F) per year
Response Time	6 minutes typical to 90% in open air moving 1 m/s, unmounted

Logger

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

The CE Marking identifies this product as complying with all relevant directives in the European Union (EU). This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.



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