

MX2201

## HOBO Pendant MX Water Temperature Data Logger

### Bluetooth-enabled logger

A waterproof logger enabled with Bluetooth wireless access to deliver accurate temperature measurements straight to your mobile device or Windows computer using our HOBObconnect app.

#### Important Information

Requires a compatible mobile device or Windows computer and the HOBObconnect app. System requirements for the app can be found at bottom of the HOBObconnect software page. Get cloud storage and access to the powerful tools of LI-COR Cloud™ IoT software! (formerly HOBOblink) Add an MX Data Plan!



Compatible with  
**HOBObconnect Monitoring App**



### Supported Measurements

Soil Temperature, Temperature, Water Temperature

### Features

- Convenient wireless setup and download via Bluetooth
- Mounting boot included
- Large memory stores 96,000 measurements
- Waterproof to 30 meters (100 feet)
- User-replaceable battery
- Mounting tabs for fast, easy deployment

### 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
- Fax 1-508-759-9100

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

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

Onset Computer Corporation  
470 MacArthur Boulevard  
Bourne, MA 02532

# HOBO Pendant MX Water Temperature Data Logger (MX2201) Specifications

## Temperature Sensor (MX2201 and MX2202)

Range	-20° to 70°C in air (-4° to 158°F in air) -20° to 50°C in water (-4° to 122°F in water)
Accuracy	±0.5°C from -20° to 70°C (±0.9°F from -4° to 158°F)
Resolution	0.04°C (0.072°F)
Drift	<0.1°C per year (<0.18°F per year)
Response Time	17 minutes typical to 90% in air moving 1 m/s, unmounted 7 minutes typical to 90% in stirred water, unmounted

## Light Sensor (MX2202)

Range	0 to 167,731 lux (0 to 15,582 lum/ft <sup>2</sup> )
Accuracy	±10% typical for direct sunlight (see Light Measurement on page 2 for more details)

## Logger

Logger Operating Range	-20° to 70°C in air (-4° to 158°F in air)
Buoyancy (Fresh Water)	2 g positive (0.07 oz positive)
Waterproof	To 30.5 m (To 100 ft)
Radio Power	1 mW (0 dBm)
Transmission Range	Approximately 30.5 m line-of-sight (Approximately 100 ft line-of-sight)
Wireless Data Standard	Bluetooth Low Energy (Bluetooth Smart)
Logging Rate	1 second to 18 hours
Time Accuracy	±1 minute per month at 25°C (±1 minute per month at 77°F)
Battery	CR2032 3V lithium, user replaceable
Battery Life	1 year typical at 25°C (77°F) with logging interval of 1 minute and Bluetooth Always On enabled in software. 2 years typical at 25°C (77°F) with logging interval of 1 minute and Bluetooth Always On disabled in software. Faster logging intervals and statistics sampling intervals, burst logging, remaining connected with the app, excessive downloads, and paging may impact battery life. To ensure proper battery installation, see Battery Information for detailed instructions on replacing the battery.
Memory	96,000 measurements
Full Memory Download Time	Approximately 45 seconds; may take longer the farther the device is from the logger
Wetted Materials	Polypropylene case, EPDM O-ring
Dimensions	3.35 x 5.64 x 1.8 cm (1.32 x 2.22 x 0.69 inches)
Weight	12.75 g (0.45 oz)
Environmental Rating	IP68

CE Compliance Mark unknown

United States FCC Mark unknown

Russia (GOST) and Regulatory Compliance Mark (RCM) unknown