

### Wireless access to water level and temperature data via Bluetooth Low Energy (BLE)



Onset’s HOBO MX2001 is the industry’s first water level data logger designed for convenient wireless setup and download from mobile devices via Bluetooth Low Energy (BLE) technology. The logger dramatically simplifies and lowers the cost of field data collection by providing wireless access to high-accuracy water level and temperature measurements right from a mobile phone or tablet.

#### Key Advantages:

- Wireless data offload to mobile devices via BLE
- Direct-read cable connects sensor to top-end logger
- Integrated sensor enables direct water level readout
- Reference water level can be entered at start of deployment
- Use HOBOfile for setup, data viewing, and data sharing
- Powered by two user-replaceable AA batteries
- Normal, multi-rate, and burst-logging modes
- Durable ceramic sensor
- Available with stainless steel or titanium sensor ends

#### Minimum System Requirements:



HOBOfile



Mobile



Cable

- iOS 11X, 12X and 13
- Android 7, 8, and 9
- Bluetooth 4.X and up



#### Supported Measurements:

- Water Level
- Water Temperature
- Absolute Pressure
- Barometric Pressure
- Differential Pressure

### Technical Specifications:

Part number	MX2001-01 (and-Ti)	MX2001-02	MX2001-03	MX2001-04 (and-Ti)
<b>Water Level</b>				
Range	Approx. 0 to 9 m (0 to 30 ft)	Approx. 0 to 30.6 m (0 to 100 ft)	Approx. 0 to 76.5 m (0 to 251 ft)	Approx. 0 to 4 m (0 to 13 ft)
Calibrated Range (0° to 40°C (32° to 104°F))	69 to 207 kPa (10 to 30 psia)	69 to 400 kPa (10 to 58 psia)	69 to 850 kPa (10 to 123.3 psia)	69 to 145 kPa (10 to 21 psia)
Accuracy (Typical)	±0.05% FS, 0.5 cm (0.015 ft)	±0.05% FS, 1.5 cm (0.05 ft)	±0.05% FS, 3.8 cm (0.125 ft)	±0.075% FS, 0.3 cm (0.01 ft)
Resolution	0.02 kPa (0.003 psi), 0.21 cm (0.007 ft) water	<0.04 kPa (0.006 psi), 0.41 cm (0.013 ft) water	<0.085 kPa (0.012 psi), 0.87 cm (0.028 ft) water	<0.014 kPa (0.002 psi), 0.14 cm (0.005 ft) water
<b>Temperature</b>				
Range	-20° to 50°C (-4° to 122°F)			
Accuracy	±0.44°C from 0° to 50°C (±0.79°F from 32° to 122°F)			
Resolution	0.1°C at 25°C (0.18°F at 77°F)			
<b>Barometric Pressure</b>				
Range	66 to 107 kPa (9.57 to 15.52 psia)			
Accuracy (typical)	±0.075% FS, 0.3 cm (0.01 ft) water			
<b>Logger Specifications</b>				
Operating Range	-20° to 50°C (-4° to 122°F)			
Transmission Range	Approximately 30.5 m (100 ft) line-of-sight			
Dimensions	Top end (MX2001-TOP): 2.56 cm (1.0 inches) diameter, 28.9 cm (11.4 inches) length Sensor end (MX2001-0x-S and MX2001-0x-Ti-S): 2.54 cm (1.0 inches) diameter, 9.91 cm (3.9 inches) length			
CE compliant	Yes			
FCC compliant	Yes			

### HOBOconnect® App for MX Data Loggers

Easy logger setup and data management with your mobile device or Windows computer

Onset's free HOBObconnect app makes it fast and easy to configure compatible HOBO MX Series data loggers (chart below) and manage the collected data. Just download the app from the Apple App Store or Google Play to your mobile device, or download from our website to your Windows computer. With HOBObconnect, you can view data in graphs, check the operational status of loggers, share data files and graph images for analysis in Excel, Numbers, and other applications, plus store data in the cloud. HOBObconnect also lets you quickly set up audible alarm notifications, so you're immediately alerted to any problems.



#### Features:

- Communicates to HOBO MX data loggers using Bluetooth (LE) technology
- No internet connection required
- Set data logger's name, password, logging rate, alarm threshold, start and stop time
- Automatically upload data to Onset's cloud-based HOBOLink software to store and merge data files
- Configure and clear audible alarms
- Page the data logger
- Quickly download and view data
- Export and share data as CSV, TXT, XLSX, or HOBO files

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**Scientech Technologies Pvt. Ltd.**

94, Electronic Complex, Pardesipura, Indore-452010, India.

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