

# HOBO MX2001 Water Level Logger

*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.

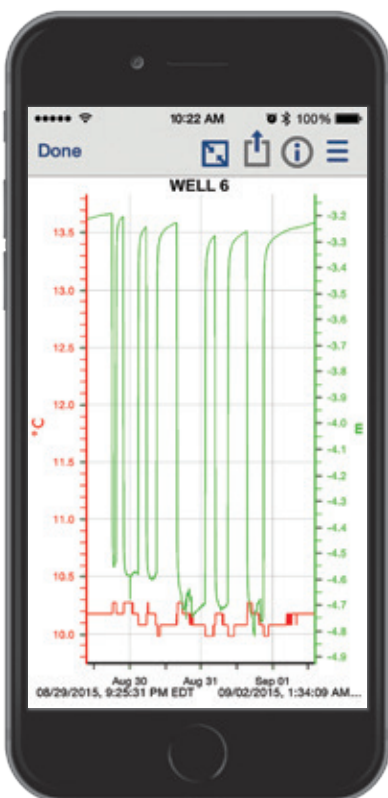
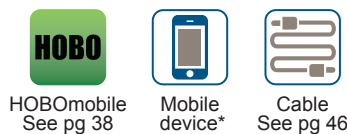
## Supported Measurements:

Water Level, Water Temperature, Absolute Pressure, Barometric Pressure, Differential Pressure

## Key Advantages:

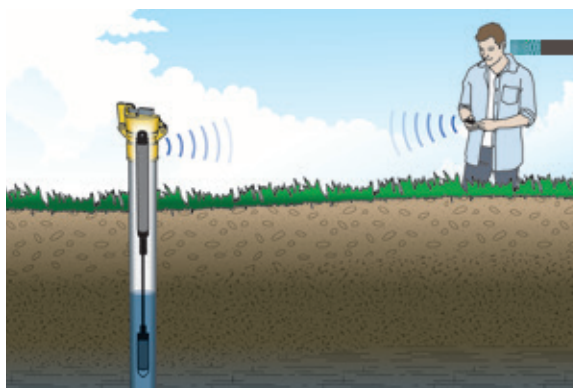
- Wireless data offload to mobile devices via BLE
- Direct-read cable connects sensor to top-end logger
- Integrated barometric pressure sensor enables direct water level readout
- Reference water level can be entered at start of deployment
- Use HOBOMobile for setup, data viewing, and data sharing
- The cable includes Kevlar strength member
- 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:



## Accurate Data, Easily

Onset's HOBOMobile™ app, a free download from iTunes, makes it a snap to configure HOBO MX2001 loggers and manage the collected data. You can view data in graphs, check the operational status of loggers, configure alarm notifications, and share data files.



\*Mobile device with: -iOS 8.3, 8.4, or 9.0 -Bluetooth 4.0 or later



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## Innovative

Two-sensor design provides direct water level readout without vent tubes.

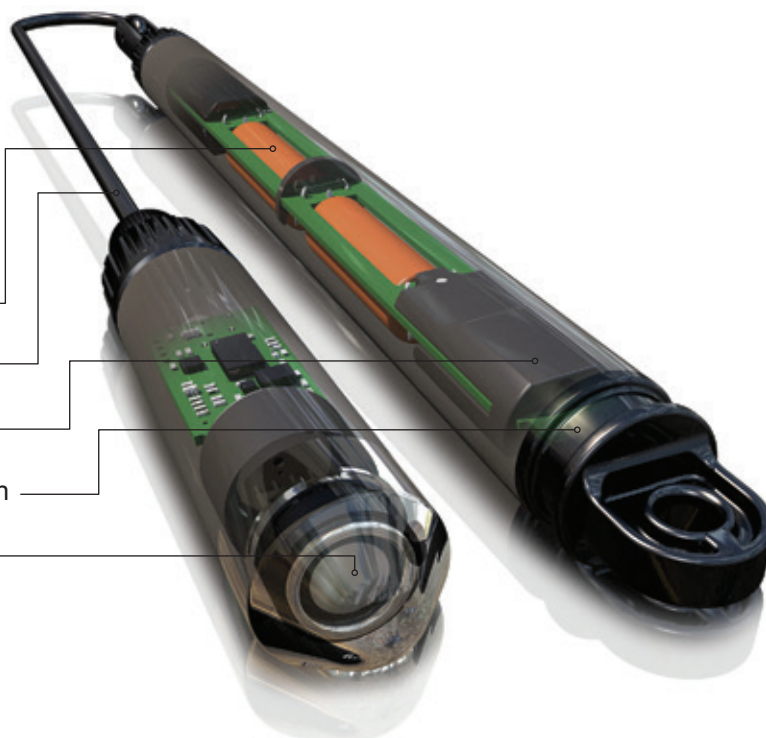
User-replaceable batteries

Interchangeable kevlar reinforced cable

Integrated barometric pressure sensor

Bluetooth Low Energy (BLE) communication

Durable ceramic sensor



► For complete information and accessories, please visit: [www.onsetcomp.com](http://www.onsetcomp.com)

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): 2.54 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			
Mobile Device Compatibility	*iOS 8.3, 8.4 & 9.0, and Bluetooth 4.0 or later			
<b>Bluetooth Compatibility</b>	Bluetooth 4.0 or later (Bluetooth Low Energy, Bluetooth Smart)			

See pages 45-46 for additional accessories  
Direct read cables can be ordered in lengths from 0.2 m to 500 m