

HOBO® MX2001 Water Level Logger



WIRELESS ACCESS TO WATER LEVEL AND TEMPERATURE DATA VIA BLUETOOTH LOW ENERGY (BLE)

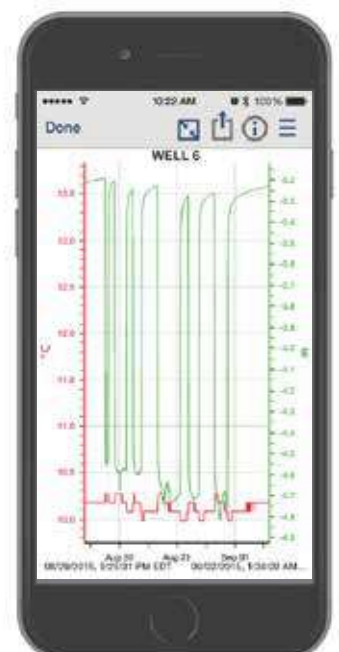
Onset's HOBO MX2001 is the industry's first water level data logger designed for convenient wireless setup and download from mobile devices via Bluetooth Low Energy (BLE) technology. The logger dramatically simplifies and lowers the cost of field data collection by providing wireless access to high accuracy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



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MINIMUM SYSTEM REQUIREMENTS:



HOBOMobile



Mobile device



Cable



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.

SPECIFICATIONS

Part number	MX2001-01 (and-Ti)	MX2001-02	MX2001-03	MX2001-04 (and-Ti)
Water Level				
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
Temperature				
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)			
Barometric Pressure				
Range	66 to 107 kPa (9.57 to 15.52 psia)			
Accuracy (typical)	±0.075% FS, 0.3 cm (0.01 ft) water			
Logger Specifications				
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			
Bluetooth Compatibility	Bluetooth 4.0 or later (Bluetooth Low Energy, Bluetooth Smart)			

Note: HMA Geotechnical is continually improving its products and processes, information contained within this brochure is subject to change without notice

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