

# HOBO MX2501 pH and Temp Logger

*Easy data offload to mobile devices and Windows computer via BLE!*

The HOBO® MX2501 pH and Temperature logger is designed for long-term monitoring of pH in estuaries, lakes, streams, rivers, and oceans. It communicates wirelessly via Bluetooth Low Energy (BLE) to the HOBOnnect® app on your phone, tablet, or Windows computer, making logger setup, calibration, and data offload quick and easy, with no need for extra equipment or complicated calibration procedures.

## Supported Measurements:

pH, Temperature



## Key Advantages:

- Data offload to your mobile device via BLE
- Guided pH calibration with the HOBOnnect app
- Rugged PVC design for freshwater or saltwater deployments
- Water detection feature for longer battery life
- User-replaceable battery, pH electrode, and anti-biofouling copper guard

## Minimum System Requirements:



HOBOnnect  
app



Mobile  
device

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

Part number	MX2501	
	<b>pH Sensor</b>	<b>mV</b>
Range	2.00 to 12.00 pH	-512 to 512 mV
Accuracy	±0.10 pH units within ±10°C of temperature at calibration	±0.20 mV
Resolution	0.01 pH	0.02 mV
Response time	1 minute typical to 90% at constant temperature in stirred water	
	<b>Temperature Sensor</b>	
Range	-2° to 50°C (28.4° to 122°F)	
Accuracy	±0.2°C (±0.36°F)	
Resolution	0.04°C (0.072°F)	
Response time	7 minutes typical to 90% in stirred water	
	<b>Logger</b>	
Operating range	-2° to 50°C (28.4° to 122°F) — non-freezing	
Buoyancy	Fresh water: 13.6 g (0.48 oz) negative      Salt water: 19.6 g (0.69 oz) negative	
Waterproof	To 40 m (131.2 ft)	
Logging rate	1 second to 18 hours	
Time accuracy	±1 minute per month 0° to 50°C (32° to 122°F)	
Battery Type	One AA 1.5 Volt, user-replaceable	
Battery life	1 year typical at 25°C (77°F) with logging interval of 1 minute and Bluetooth Always On selected in software. 2 years typical at 25°C (77°F) with logging interval of 1 minute and Bluetooth Off Water Detect enabled in software. 3 years typical at 25°C (77°F) with logging interval of 1 minute and Bluetooth Always Off selected in software.	
Memory	152 KB (43,300 measurements, maximum)	
Dimensions	22.86 x 4.27 cm (9.0 x 1.68 inches)	
Weight	268.2 g (9.46 oz)	
CE compliant	Yes	