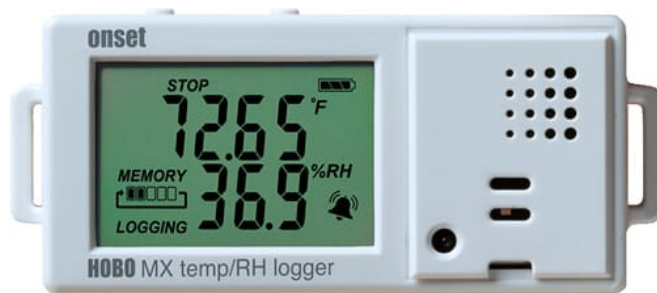




HOBO MX1101 Wireless Temperature and Humidity Data Logger - Optional Remote Monitoring

Product Images



Short Description

This self-contained wireless data logger enables you to access data anytime from your iOS or Android mobile device over a 100-foot range, and it requires no dedicated equipment beyond an iOS or Android device for configuring the logger or reading out data.

Simply download and install the free HOBOconnect app and you can view data in graphs, check the operational status of loggers, configure alarm notifications, and share data files.

Description

Key Features

- Wireless communication via Bluetooth Low Energy (BLE) technology
- Easy to deploy and offload using free HOBObconnect App
- Visual and audible high & low alarm thresholds
- Stores 84,000 measurements
- Accuracy: +/- 0.2C and +/- 2%RH
- Find me/pager feature.

Environment: The MX1101 Data Logger is for use in Indoor environments

Measurements: The MX1101 Data Logger supports the following measurements: Temperature, Relative Humidity



Additional Information

Country of Manufacture	United States
Explanation	Temperature Sensor
	Range -20° to 70°C (-4° to 158°F)
	Accuracy ±0.21°C from 0° to 50°C (±0.38°F from 32° to 122°F)
	Resolution 0.024°C at 25°C (0.04°F at 77°F)
	Drift <0.1°C (0.18°F) per year
	RH Sensor
	Range 1% to 90%, non-condensing
	Accuracy ±2.0% from 20% RH to 80% RH typical to a maximum of ±4.5% including hysteresis at 25°C (77°F); below 20% RH and above 80% RH ±6% typical
	Resolution 0.01%
	Drift <1% per year typical
	Response Time
	Temperature 7:30 minutes in air moving 1 m/s (2.2 mph)
	RH 20 seconds to 90% in airflow of 1 m/s (2.2 mph)
	Logger
	Radio Power 1 mW (0 dBm)
	Transmission Range Approximately 30.5 m (100 ft) line-of-sight
	Wireless Data Standard Bluetooth Smart (Bluetooth Low Energy, Bluetooth 4.0)
	Logger Operating Range -20° to 70°C (-4° to 158°F); 0 to 95% RH (non-condensing)
	Logging Rate 1 second to 18 hours
	Logging Modes Fixed interval (normal, statistics) or burst
	Memory Modes Wrap when full or stop when full
	Start Modes Immediate, push button, date & time, or next interval
	Stop Modes When memory full, push button, date & time, or after a set logging period
	Restart Mode Push button
	Time Accuracy ±1 minute per month at 25°C (77°F)
	Battery Life 1 year, typical with logging interval of 1 minute. Faster logging and/or statistics sampling intervals, entering burst logging mode, and remaining connected with HOBOnnect will impact battery life. Excessive readouts, checking of Full Status Details, audible alarms, and paging all impact battery life. Visual alarms and other events can have a marginal impact on battery life.
	Battery Type Two AAA 1.5 V alkaline batteries, user replaceable
	Memory 128 KB (84,650 measurements, maximum)
	Full Memory Download Time Approximately 60 seconds; may take longer the further the device is from the logger
	LCD LCD is visible from 0° to 50°C (32° to 122°F); the LCD may react slowly or go blank in temperatures outside this range
	Size 3.66 x 8.48 x 2.29 cm (1.44 x 3.34 x 0.9 in.)
	Weight 56 g (1.98 oz)
	Environmental Rating IP50
	 The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).
Contents	<ul style="list-style-type: none">• HOBO MX1101 Temp/RH Data Logger• Command™ strip• Double-sided tape• Hook & loop strap• Two AAA 1.5 V alkaline batteries
Ideal For	Professional
Brand	Onset HOBO
Channel(s)	2
Onset Product Series	MX1100
Typical applications	Building Monitoring, Environmental (Indoor), Thermal Comfort
Measurements	Humidity, Temperature

Additional Options

Temperature & Humidity Calibration Certificate	Temperature & Humidity Calibration @ 20°C and 50RH
	Temperature & Humidity Calibration (please specify measurement points required)
Optional Remote Cloud Access to Your Data	MX Gateway for HOBO MX Data Loggers (SKU: MXGTW1)
	HOBOLink Service Plan (One Year Subscription (SKU: SP-620)) - one required per MX Gateway