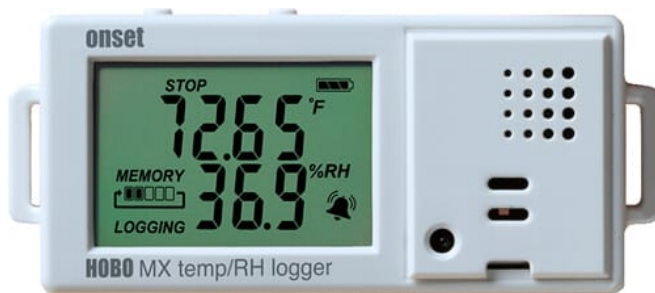




# HOBO MX1101 Wireless Temperature and Humidity Data Logger - Optional Remote Monitoring

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

## Additional Options

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### **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