

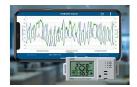
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HOBO MX1101 Wireless Temperature and Humidity Data Logger - Optional Remote Monitoring

Product Images













Short Description

This self-contained wireless data logger enables you to access data anytime from your iOS or Android mobile device, or Windows computer over a 100-foot range, with no other dedicated equipment required.

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

Access your data directly from your mobile phone, tablet, or Windows computer when within 100 foot line-of-sight range of the logger - with the free HOBOconnect app.

To enable cloud data storage and analysis - add an MX Data Plan (select from options above).

To enable near real-time remote monitoring and alerts via email/text message - add an MX Data Plan and MX Gateway (select options above). Note: The MX Gateway must be indoors.

Key Features

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

Requires a compatible mobile device or Windows computer and the HOBOconnect app.

Environment: The MX1101 Data Logger is for use in Indoor environments **Measurements:** The MX1101 Data Logger supports the following measurements: Temperature, Relative Humidity

You can download the HOBOconnect app here







Additional Information

Country of Manufacture	United States	
Temperature Sensor		sor
	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)
Explanation	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 (noncondensing)
	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 HOBOconnect 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
Contents	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	НОВО	
Channel(s)	2	
HOBO Product Series	MX1100	
Typical applications	Building Monitoring, Environmental (Indoor), Thermal Comfort	
Measurements	Humidity, Temperature	

Additional Options

Optional cloud data storage and analysis - select an annual MX Data Plan from the options below (one Data Plan required per logger)	MX-Speed (Supports up to 4 measurements with 1 minute logging)
	MX-Data (Supports up to 10 measurements with 5 minute logging)
Optional near real-time remote monitoring and alerts via email/text message (requires an MX Gateway, plus one MX Data Plan for each MX Logger)	MX Gateway for HOBO MX Data Loggers (SKU: MXGTW1)
Temperature & Humidity Calibration Certificate	Temperature & Humidity Calibration @ 20°C and 50RH
	Temperature & Humidity Calibration (please specify measurement points required)