



HOBO[®] MX1105 Data Logger

4-Channel Analog

The HOBO MX1105 multi-channel data logger, with four-channel inputs, measures and transmits data wirelessly from a variety of sensors to your mobile device via Bluetooth technology.

This self-contained wireless data logger lets you use your mobile device or Windows computer and Onset's free HOBObconnect app to access data, at any time, over a 100-foot range via Bluetooth. You can configure the logger, read out data, view data in graphs, check the operational status of loggers, configure alarm notifications, and share data files - all with no dedicated equipment beyond a mobile device. And if used with the new MX Gateway, you can remotely access your data in Onset's cloud-based HOBOLink[®] software. The MX1105 is ideal for energy audits, building commissioning studies, equipment scheduling, and more.


You can download the HOBObconnect app here:



Key Advantages:

- Bluetooth communication for wireless data offload
- 16-bit resolution for highly-accurate measurements
- Stores 1.9 million measurements for longer deployments between offloads
- New Self-Describing sensors with intelligent configuration for fast deployment
- Compatible with existing sensors for a wide range of indoor monitoring
- Audible and visual LCD-screen alarms notify you if a sensor becomes unplugged or a reading exceeds set thresholds

HOBO MX1105 Data Logger Specifications

Logger with Cable Type	SD-MA-420 or CABLE-4-20mA	SD-VOLT-2.5 or CABLE-2.5-STEREO	SD-VOLT-05 or CABLE-ADAP5	SD-VOLT-10 or CABLE-ADAP10	SD-VOLT-24 or CABLE-ADAP24
Measurement Range	0 to 20.1 mA	0 to 2.5 V	0 to 5.0 V	0 to 10 V	0 to 24 V
Accuracy	±0.001 mA ±0.2% of reading	±0.1 mV ±0.1% of reading	±0.2 mV ±0.3% of reading	±0.4 mV ±0.3% of reading	±1.0 mV ±0.3% of reading
Resolution	0.3 µA	40 µV	80 µV	160 µV	384 µV
Logger					
Operating Range	-20° to 70°C (-4° to 158°F)				
Radio Power	1 mW (0 dBm)				
Transmission Range	Approximately 30.5 m (100 ft) line-of-sight				
Wireless Data Standard	Bluetooth Low Energy (Bluetooth Smart)				
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 Type	Two AAA 1.5 V alkaline batteries, user replaceable				
Battery Life	1 year, typical with logging interval of 1 minute and Bluetooth Always On enabled; 2 years, typical with logging interval of 1 minute and Bluetooth Always On disabled; and temperatures between 0° and 50°C (32° and 122°F). Faster logging intervals and statistics sampling intervals, burst logging, remaining connected with the app, excessive downloads, and paging may impact battery life.				
Memory	4 MB (1.9 million measurements, maximum)				
Full Memory Download Time	Approximately 4 to 15 minutes depending on the mobile device; 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	11.28 x 5.41 x 2.92 cm (4.44 x 2.13 x 1.15 in.)				
Weight	123 g (4.34 oz)				
Environmental Rating	IP54				
	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).				



*Per RH sensor manufacturer data sheet

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- ▶ Email sales@onsetcomp.com
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-800-564-4377
- ▶ Fax 1-508-759-9100

Technical Support (8am to 6pm ET, Monday through Friday)

- ▶ Contact Product Support www.onsetcomp.com/support/contact
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-877-564-4377

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