Bluetooth Low Energy 4-Channel Analog Data Logger

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 Low Energy (BLE) technology.

This self-contained wireless data logger lets you use your mobile device and Onset's free HOBOconnect app to access data, at any time, over a 100-foot range via Bluetooth Low Energy (BLE) technology.

The MX1105 is ideal for energy audits, building commissioning studies, equipment scheduling, and more.

Key Advantages:

- BLE communications 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

Minimum System Requirements:

HOBOconnect   Mobile device   Sensor

- iOS 10.X, 11.X, 12.X and 13
- Android 7, 8, 9 and 10
- Bluetooth 4.X and up

Supported Measurements:

- 4-20mA
- AC Current
- AC Voltage
- Air Velocity
- Carbon Dioxide
- Compressed Air Flow
- DC Current

- DC Voltage
- Differential Pressure
- Gauge Pressure
- Kilowatts
- Temperature

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Technical Specifications:

Part number	MX1105				
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					
Memory	4 MB (1.9 million measurements, maximum)				
Logging Rate	1 second to 18 hours				
Logging Modes	Fixed interval (normal, statistics) or burst				
Operating Range	-20° to 70°C (-4° to 158°F)				
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.				
Dimensions	11.28 x 5.41 x 2.92 cm (4.44 x 2.13 x 1.15 in.)				
Environmental Rating	IP54				
CE compliant	Yes				

HOBOconnect® App for MX Data Loggers

Easy logger setup and data management with your mobile device or Windows computer

Onset's free HOBOconnect app makes it fast and easy to configure compatible HOBO MX Series data loggers (chart below) and manage the collected data. Just download the app from the Apple App Store or Google Play to your mobile device, or download from our website to your Windows computer. With HOBOconnect, you can view data in graphs, check the operational status of loggers, share data files and graph images for analysis in Excel, Numbers, and other applications, plus store data in the cloud. HOBOconnect also lets you quickly set up audible alarm notifications, so you're immediately alerted to any problems.

Features:

• Communicates to HOBO MX data loggers using Bluetooth (LE) technology

• No internet connection required

• Set data logger's name, password, logging rate, alarm threshold, start and stop time

• Automatically upload data to Onset's cloud-based HOBOlink software to store and merge data files

• Configure and clear audible alarms

• Page the data logger

• Quickly download and view data

• Export and share data as CSV, TXT, XLSX, or HOBO files

Subject to Change