

HOBO MX1104 Analog/ Temp/RH/Light Logger

Bluetooth Low Energy Analog/Temp/RH/Light Data Logger



The HOBO MX1104 multi-channel data logger measures and transmits temperature, relative humidity, and light intensity data wirelessly. It also includes an external analog input to attach a variety of additional sensors.

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 Low Energy (BLE) technology.

Supported Measurements:

4-20mA, AC Current, AC Voltage, Air Velocity, Carbon Dioxide, Compressed Air Flow, DC Current, DC Voltage, Dew Point, Differential Pressure, Gauge Pressure, Kilowatts, Light Intensity, Relative Humidity, Temperature and Dew Point

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:



HOBObconnect
app*



Mobile
device

► For complete information and accessories, please visit: www.onsetcomp.com

Part number	MX1104		
	Temperature Sensor	RH Sensor	Light Sensor
Range	-20° to 70°C (-4° to 158°F)	0% to 100% at -20° to 70°C (-4° to 158°F)	0 to 167,731 lux (15,582 lum/ft ²)
Accuracy	±0.20°C from 0° to 50°C (±0.36°F from 32° to 122°F)	±2.5% from 10% to 90% (typical)	±10% typical for direct sunlight
Resolution	0.002°C at 25°C (0.004°F at 77°F)	0.01%	
Drift	<0.1°C (0.18°F) per year	<1% per year typical	

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

*) Available for mobile devices with Bluetooth and iOS, iPadOS®, or Android™, or Windows computers with a native BLE adapter or supported BLE dongle.