



HOBO[®] MX1101 Data Logger

Temperature/Relative Humidity

Measures and transmits temperature and relative humidity data wirelessly to mobile devices or Windows computers via Bluetooth technology.

This self-contained wireless data logger works with your mobile device or Windows computer and Onset's free HOBObconnect app so you can configure the logger and download data when within 100 feet of the logger, with no other dedicated equipment required. You can also view data in graphs, check the operational status of the logger, configure alarm notifications, and share data files.

Add the MX Gateway for remote access to your data in our cloud-based HOBOLink software.



Key Advantages:

- Wireless communication via Bluetooth technology
- Easy to deploy and offload using the free HOBObconnect app
- Visual and audible high & low alarm thresholds
- Stores 84,000 measurements
- Accuracy: +/- 0.2C and +/- 2%RH
- Find me/pager feature
- Patented connectivity technology

HOBO MX1101 Data Logger Specifications

Temperature Sensor	
Range	-20° to 70°C (-4° to 158°F)
Accuracy	±0.21°C from 0° to 50°C, see manual for plot (±0.38°F from 32° to 122°F, see manual for plot)
Resolution	0.024°C at 25°C, see manual for plot (0.04°F at 77°F, see manual for plot)
RH Sensor*	
Range	1% to 90% (non-condensing)
Accuracy	±2% from 20% to 80% typical to a maximum of ±4.5% including hysteresis at 25°C (77°F); below 20% and above 80% ±6% typical
Resolution	0.01%
Response Time	
Temperature	7: 30 minutes in air moving 1 m/s (30 minutes in air moving 2.2 mph)
RH	20 seconds to 90% in airflow of 1 m/s (20 seconds to 90% in airflow of 2.2 mph)
Logger	
Radio Power	1 mW (0 dBm)
Transmission Range	Approximately 30.5 m line-of-sight (Approximately 100 ft line-of-sight)
Wireless Data Standard	Bluetooth Low Energy (Bluetooth Smart)
Logger Operating Range	-20° to 70°C; 0 to 95% RH (non-condensing) (-4° to 158°F; 0 to 95% RH (non-condensing))
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
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 the app will impact battery life. Excessive readouts, 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; (LCD is visible from 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

Compliance Marks



*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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