

## MX-FLOOR



## Flooring Installation Temperature & Humidity Monitoring Kit

### 10 Bluetooth Wireless Temperature/RH Data Loggers

Save time and protect your flooring installation with this easy-to-deploy Bluetooth wireless monitoring kit to ensure optimal temperature and humidity conditions

#### Important Information

Requires a compatible mobile device or Windows computer and the HOBObconnect app. System requirements can be found at the bottom of the HOBObconnect software page. Get cloud storage and access to the powerful tools of LI-COR Cloud<sup>®</sup> IoT software! (formerly HOBOLink) Add an MX Data Plan!



Compatible with  
**HOBObconnect<sup>®</sup> Monitoring App**  
**LI-COR Cloud<sup>®</sup> MX Data Plan**

### Supported Measurements

Dew Point, Relative Humidity, Temperature

### Features

- 10 highly accurate, easy-to-deploy, wireless BLE temperature and relative humidity loggers
- Prevent hardwood floor installation failure due to humidity
- Concrete slab RH testing to prevent debonding
- Vinyl flooring installation monitoring and requirements to prevent cupping and gapping
- Reduce flooring warranty claims
- Support compliance efforts by documenting environmental conditions before, during and after installation

### What's in the box

- 10 HOBO MX1101 Temp/RH Data Loggers with:
- Command<sup>™</sup> strip
- Double-sided tape
- Hook & loop strap
- Two AAA 1.5 V alkaline batteries

### Contact Us

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

- Email [sales@onsetcomp.com](mailto:sales@onsetcomp.com)
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
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Technical Support (8am to 5pm ET, Monday through Friday)

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- In U.S. toll free 1-877-564-4377

# Flooring Installation Temperature & Humidity Monitoring Kit (MX-FLOOR) 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)
Drift	<0.1°C per year (0.18°F per year)

## 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%
Drift	<1% per year typical

## Response Time

Temperature	7:30 minutes in air moving 1 m/s (7:30 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
Time Accuracy	±1 minute per month at 25°C (±1 minute per month at 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 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

## Notices

\* Per RH sensor manufacturer data sheet

