

## NEW! HOBO MX1102 Logger

Bluetooth Smart-enabled CO<sub>2</sub>, temperature and relative humidity data logger

Onset's HOBO MX1102 CO<sub>2</sub> logger makes it more convenient than ever to measure and record CO<sub>2</sub> in buildings and other non-condensing environments. It measures CO<sub>2</sub> from 0 – 5,000 parts per million (ppm) – and our free HOBOmobile app allows you to access data right from your mobile phone or tablet within a 100-foot range.

The MX1102 also features a USB port so it can be used with a computer running HOBOWare Pro graphing and analysis software.

### Supported Measurements:

CO<sub>2</sub>, Temperature, Relative Humidity, Dew Point

### Key Advantages:

- Wireless communication via Bluetooth Smart
- Six-month battery life at 5-minute CO<sub>2</sub> logging rate
- Easy to deploy and offload using free HOBOmobile App
- Visual and audible high & low alarm thresholds
- Self-calibrating CO<sub>2</sub> sensor technology ensures optimal accuracy at lower maintenance costs

### Minimum System Requirements:



HOBOmobile



Mobile device\*



HOBOmobile for Android coming soon!



► For complete information and accessories, please visit: [www.onsetcomp.com](http://www.onsetcomp.com)

|                                    |   |
|------------------------------------|---|
| <b>Part number</b>                 | <b>MX1102</b>   |
| <b>Memory</b>                      | 84,650 Measurements   |
| <b>Logging Rate</b>                | 1 second to 18 hours  |
| <b>Battery Life</b>                | 6 months, typical with logging and sampling intervals of 5 minutes or slower; 6 months or less with logging and sampling intervals faster than 5 minutes, user replaceable, 4AA                 |
| <b>Dimensions</b>                  | 7.62 x 12.95 x 4.78 cm (3.0 x 5.1 x 1.88 inches)  |
| <b>CO<sub>2</sub></b>              |   |
| <b>Range</b>                       | 0 to 5,000 ppm  |
| <b>Accuracy</b>                    | ±50 ppm ±5% of reading  |
| <b>Warm-up Time</b>                | 15 seconds  |
| <b>Calibration</b>                 | Auto or manual to 400 ppm   |
| <b>Non-linearity</b>               | <1% of FS   |
| <b>Temperature</b>                 |   |
| <b>Range</b>                       | 0° to 50°C (32° to 122°F)   |
| <b>Accuracy</b>                    | ±0.21°C from 0° to 50°C (±0.38°F from 32° to 122°F)   |
| <b>Resolution</b>                  | 0.024°C at 25°C (0.04°F at 77°F)  |
| <b>Response Time</b>               | 12 minutes in air moving 1 m/s (2.2 mph)  |
| <b>Relative Humidity</b>           |   |
| <b>Range</b>                       | 1% to 90% (non-condensing)  |
| <b>Accuracy</b>                    | ±2% from 20% to 80% typical at 25°C (77°F)  |
| <b>Hysteresis</b>                  | ±2% RH  |
| <b>Resolution</b>                  | 0.01% at 25°C (77°F)  |
| <b>Drift</b>                       | <1% per year typical  |
| <b>Response Time</b>               | <b>CO<sub>2</sub></b> : 1 minute to 90% in airflow of 1 m/s (2.2 mph), <b>Temp</b> : 12 minutes to 90% in airflow of 1 m/s (2.2 mph), <b>RH</b> : 1 minute to 90% in airflow of 1 m/s (2.2 mph) |
| <b>CE compliant</b>                | Yes   |
| <b>Mobile Device Compatibility</b> | iOS 8.0, 8.1, 8.2, 8.3, and Bluetooth 4.0 or later  |
| <b>Bluetooth Compatibility</b>     | Bluetooth 4.0 or later (Bluetooth Low Energy, Bluetooth Smart)  |

## 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
- Fax 1-508-759-9100

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

- Contact Product Support [onsetcomp.com/support/contact](http://onsetcomp.com/support/contact)
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