



# 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 Low Energy (BLE)
- 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



\*iOS 8.3, 8.4 & 9.0, or Android 4.4, 5.0, 5.1 and Bluetooth 4.0 or later



\*Mobile device with: iOS 8.3, 8.4 & 9.0, and Bluetooth 4.0 or later  
The HOBO MX1102 is also compatible with HOBOWare Free, and Pro

Cung cấp bởi:  
CÔNG TY CỔ PHẦN CÔNG NGHỆ MAI VŨ  
Địa chỉ: Hà Nội, HCM  
Hotline: 0945 942992 - zalo  
Email: info@mvtek.vn  
Website: <https://mvtek.vn>

► 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 while logging CO <sub>2</sub> , 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 at 25°C (77°F), less than 70% RH and 1,013 mbar
<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 to 90% in airflow of 1 m/s (2.2 mph)
<b>Relative Humidity</b>	
<b>Range</b>	1% - 90%RH, non-condensing
<b>Accuracy</b>	±2.0% from 20%RH to 80%RH typical to a maximum of ±4.5% including hysteresis at 25°C (77°F); below 20%RH and above 80%RH ±6% typical
<b>Hysteresis</b>	±2%RH
<b>Resolution</b>	0.01%RH
<b>Drift</b>	<1%RH 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

Note: Temp & RH NIST certification services available for this product. Please visit [onsetcomp.com](http://onsetcomp.com), or call us at 1-800-564-4377.