



HOBO MX2305 Wireless Temperature Data Logger - Optional Remote Monitoring

Product Images



Short Description

This new weatherproof data logger from Onset is designed to withstand harsh weather conditions with its weatherproof housing and built in self mounting.

Description

The HOBO MX2305 is a weatherproof data logger with an internal temperature sensor. Leveraging Bluetooth Low Energy, the logger enables easy, fast set up and data download directly from your mobile device, and

provides high-accuracy measurements in harsh outdoor environments.

Additional Information

| | |
|------------------------|---|
| Country of Manufacture | United States |
| Brand | Onset HOBO |
| Measurements | Temperature |
| Typical applications | Environmental (Indoor), Environmental (Outdoor), Field Research, Food Safety |
| Onset Product Series | MX2300 |
| Explanation | Features: Convenient wireless setup and download via Bluetooth Low Energy (100-foot range) Retrieve data in hard-to-reach locations Visual alarms alert you to out-of-range conditions Compact, weatherproof housing with built-in mounting View current data in real time with Onset's free HOBObconnect app Share downloaded data easily from your mobile device Accuracy: +/- 0.2C |
| Power | Battery only |

Temperature Sensor:

Range MX2301 and MX2305 internal sensors: -40 to 70°C (-40 to 158°F)
 MX2302 external temperature sensor: -40 to 70°C (-40 to 158°F)
 MX2303 and MX2304 external sensors: -40 to 100°C (-40 to 212°F), with tip and cable immersion in fresh water up to 50°C (122°F) for one year

Accuracy ±0.25°C from -40 to 0°C (±0.45 from -40 to 32°F)
 ±0.2°C from 0 to 70°C (±0.36 from 32 to 158°F)
 ±0.25°C from 70 to 100°C (±0.45 from 158 to 212°F), MX2303 and MX2304 only

Resolution 0.04°C (0.072°F)

Drift <0.01°C (0.018°F) per year

RH Sensor

Range 0 to 100% RH, -40° to 70°C (-40° to 158°F); exposure to conditions below -20°C (-4°F) or above 95% RH may temporarily increase the maximum RH sensor error by an additional 1%

Accuracy ±2.5% from 10% to 90% (typical) to a maximum of ±3.5% including hysteresis at 25°C (77°F); below 10% RH and above 90% RH ±5% typical

Resolution 0.05%

Drift <1% per year typical

Logger housing: 10.8 x 5.08 x 2.24 cm (4.25 x 2.0 x 0.88 in.) External temperature sensor diameter: 0.53 cm (0.21 in.) External temperature/RH sensor diameter: 1.17 cm (0.46 in.) External sensor cable length: 2 m (6.56 ft) Solar radiation shield bracket:

Sensors

Dimensions

Batteries

Power

2/3 AA 3.6 Volt lithium

Battery only

Additional Options

Optional Remote Cloud Access to Your Data

MX Gateway for HOBO MX Data Loggers (SKU: MXGTW1)

HOBOLink Service Plan (One Year Subscription (SKU: SP-620)) - one required per MX Gateway

Temperature Calibration Certificate

2 Point Temperature Calibration (0°C / 60°C)

2 Point Temperature Calibration (please specify temperature points)

1 Point Temperature Calibration (0°C)