A waterproof logger that uses the power of Bluetooth to deliver accurate temperature measurements straight to your mobile device or Windows computer running Onset's free HOBOconnect app. Designed for durability, this compact logger is ideal for measuring temperature in streams, lakes, oceans, and soil environments. Data collection in the field has never been easier!

## Features:

- Convenient wireless setup and download via Bluetooth
- Mounting boot included
- Large memory stores 96,000 measurements
- Waterproof to 30 meters (100 feet)
- User-replaceable battery
- Mounting tabs for fast, easy deployment
- LED indicates when temperature exceeds set threshold
- Works with Onset's free HOBOconnect app
- ±0.5°C (±0.9°F) accuracy

**ONSET** AUTHORIZED DISTRIBUTOR

**Scientech**

## Technical Specifications:

**Temperature Sensor (MX2201 and MX2202)**

| | | |
|---|---|---|
| Range | : | -20° to 70°C in air (-4° to 158°F in air) |
| | | -20° to 50°C in water (-4° to 122°F in water) |
| Accuracy | : | ±0.5°C from -20° to 70°C (±0.9°F from -4° to 158°F) |
| Resolution | : | 0.04°C (0.072°F) |
| Drift | : | <0.1°C per year (<0.18°F per year) |
| Response Time | : | 17 minutes typical to 90% in air moving 1 m/s, unmounted |
| | | 7 minutes typical to 90% in stirred water, unmounted |

**Light Sensor (MX2202)**

| | | |
|---|---|---|
| Range | : | 0 to 167,731 lux (0 to 15,582 lum/ft2) |
| Accuracy | : | ±10% typical for direct sunlight (see Light Measurement on page 2 for more details) |

**Logger**

| | | |
|---|---|---|
| Logger Operating Range | : | -20° to 70°C in air (-4° to 158°F in air) |
| Buoyancy (Fresh Water) | : | 2 g positive (0.07 oz positive) |
| Waterproof | : | To 30.5 m (To 100 ft) |
| 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) |
| Logging Rate | : | 1 second to 18 hours |
| Time Accuracy | : | ±1 minute per month at 25°C (±1 minute per month at 77°F) |
| Battery | : | CR2032 3V lithium, user replaceable |
| Battery Life | : | 1 year typical at 25°C (77°F) with logging interval of 1 minute and Bluetooth Always On enabled in software. |
| | | 2 years typical at 25°C (77°F) with logging interval of 1 minute and Bluetooth Always On disabled in software. |
| | | Faster logging intervals and statistics sampling intervals, burst logging, remaining connected with the app, excessive downloads, and paging may impact battery life. |
| | | To ensure proper battery installation, see Battery Information for detailed instructions on replacing the battery. |
| Memory | : | 96,000 measurements |
| Full Memory Download Time | : | Approximately 45 seconds; may take longer the farther the device is from the logger |
| Wetted Materials | : | Polypropylene case, EPDM O-ring |
| Dimensions | : | 3.35 x 5.64 x 1.8 cm (1.32 x 2.22 x 0.69 inches) |
| Weight | : | 12.75 g (0.45 oz) |
| Environmental Rating | : | Ip68 |

Subject to Change