

MX2308

HOBO MX2308 Temp/RH/PAR Data Logger

Measures Temperature, RH & Photosynthetically Active Radiation (PAR) with LI-COR PAR sensor

High-precision monitoring of PAR, temperature, and humidity with effortless Bluetooth data offload, ideal for monitoring environmental conditions—from agricultural operations to academic research.

Important Information

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



Compatible with
HOBObconnect Monitoring App

Supported Measurements

PAR, Relative Humidity, Temperature

Features

Wireless Bluetooth Data Offload Fast, easy logger setup and download via phone or tablet (up to ~100 ft range) High-Accuracy PAR Measurements Integrated LI-COR PAR sensor delivers research-grade light intensity readings for both sunlight and indoor grow light conditions Integrated Temp & RH Monitoring Logged temperature and humidity alongside PAR enables calculation of **VPD** for a complete view of greenhouse climate conditions Rugged, Weatherproof Design Durable IP67/NEMA 6 housing stands up to humid, wet, and dusty environments found in greenhouses, growth chambers, or outdoor field sites Long Battery Life & Memory User-replaceable battery lasts up to ~2+ years and ample data storage supports extended deployments Alarms and Alerts See out-of-range conditions with logger's LED readout, and configure threshold alerts using HOBObconnect for proactive monitoring Easy Deployment Users can deploy the logger in minutes, configure logging intervals via the HOBObconnect app, and wirelessly retrieve data (without a laptop) in the field!

HOBO MX2308 Temp/RH/PAR Data Logger (MX2308) Specifications

Logger	
Temperature	-40 to 70 °C (-40 to 158 °F); Accuracy ±0.2 °C (typical) within 0 to 70 °C; Resolution 0.04 °C
Relative Humidity	Range 0–100% RH; Accuracy ±2.5% (typical) from 10% to 90% RH; Resolution 0.01% RH
PAR (Light Intensity)	Range 0 to 3,000 μmol/m²/s (full sunlight) Accuracy ±5% typical (LI-190R factory calibration) Spectral range 400–700 nm (PAR waveband)
Calculated Metrics	Vapor Pressure Deficit (VPD) in kPa, and Daily Light Integral (DLI) in mol/m²/day (computed from logged data)
Logging Interval	User-selectable from 1 second up to 18 hours
Memory Capacity	~35,000 sets of measurements
Wireless Range	Up to 30.5 m (100 feet) line-of-sight via BLE
Enclosure Rating	IP67 (NEMA 6)
Battery	2/3 AA 3.6 Volt Lithium; User-replaceable
Operating Environment	-40 to 70 °C, 0–100% RH

OneTemp^o

measure | control | record

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