



## Quantum PAR Meter (MBAR01)

Accurate PAR Measurement for Optimal Plant Growth

### User Guide



Thank you for choosing the Maxibright Quantum PAR Meter. This guide will help you get started and ensure optimal use.

**Package Includes**

- Main Unit (PAR Meter)
- Sensor Unit (¼" screw mount compatible)
- Coiled Cable (1.5m) & Straight Cable (3.5m)
- 2x AAA Batteries
- User Manual

**Main Features**

Wide measurement range (0 to 3999  $\mu\text{mol}/\text{m}^2/\text{sec}$ )  
Precision readings with  $\pm 1$   $\mu\text{mol}/\text{m}^2/\text{sec}$  repeatability  
Large LCD display for clear measurements  
Portable and lightweight (115g)  
Tripod compatibility for stable measurements  
Easy-to-use large LCD screen

**Setup, Power, and Basic Operations****Initial Setup:**

Open the battery compartment.  
Insert 2x AAA batteries.  
Close the cover..

**Power On/Off:**

Press the power button to turn on (located on the side of the main unit)  
Hold the power button for 3 seconds to turn off.

**Basic Operations:**

"Hold" Function: Press Enter to freeze the current reading, press again to release.  
Data Logging: Press LOG to record data, navigate with arrow keys.  
Tripod compatibility for stable measurements  
Easy-to-use large LCD screen.

## Mode Functions

### CALI (Zero Calibration):

Cover the sensor, press MODE until CALI appears, hold Enter for 3 seconds to calibrate.

### LOG (Review Data):

Press MODE, navigate to LOG, and use arrows to scroll through recorded data.

### RCFS (Factory Reset):

Enter RCFS mode, select "YES," and hold Enter for 3 seconds to reset.

## Technical Specifications

### Specifications:

Measurement Range: 0-3999  $\mu\text{mol}/\text{m}^2/\text{sec}$

Display Resolution: 0.1  $\mu\text{mol}/\text{m}^2/\text{sec}$  (up to 999), 1  $\mu\text{mol}/\text{m}^2/\text{sec}$  (1000-3999)

Power: 2x AAA batteries

Weight: 115g (without batteries/cables)

Operating Temperature: 0°C to 50°C

Storage Temperature: -20°C to 60°C

Operating Conditions:

Ensure proper cable connections for optimal function.

Handle with care to maintain calibration accuracy.

## **Troubleshooting and Safety**

**Issue:** Device won't power on.

**Solution:** Replace batteries.

**Issue:** Display shows "----"

**Solution:** Check sensor connections and cables.

**Issue:** No display, only battery icon.

**Solution:** Replace batteries.

## **Safety Notice**

**WARNING:** Contains small parts; choking hazard.

Keep RJ11 port free of debris for consistent performance.

**Reminder:** Store this manual in a safe place for future use.

Thank you for choosing Maxibright