MBS-PAR

Full Spectrum Quantum Sensor

The MBS-PAR is a Full Spectrum Quantum Sensor that provides accurate and cost-effective measurement of photosynthetic ally active radiation (PAR) from all light sources used to grow plants. The full-spectrum quantum sensor has a spectral range of 389 to 692 nm (± 5 nm). The improved spectral response increases the accuracy of LED measurements.

When the MBS-PAR is used in conjunction with the Hydro-X Pro or Hydro-X Plus controller, the controller's "DLI" advance features can calculate the exact amount of light needed and automatically increase or decrease the output level of your supplemental lighting systems to continuously maintain the exact lighting level (in PPFD) that the user selects.

*Note: Sensors should remain dry and clean to prevent premature failure. Do not spray foreign substances or allow water / condensate on the sensors.



Specifications

MBS-PAR

Input Voltage

Voltage 12V

Working Environments

 Temperature
 32-122°F (0-50°C)

 Humidity
 ≤90%

Range

Range 0~4000 PPFD

Maximum Current

Current 0.2A

Package Dimensions

Size 21.65"/550mm(L) x 11.22"/285mm(W) x 16.14"/410mm(H) Gross Weight 1.88lbs/0.85kqs

Package Content

Full Spectrum Quantum Sensor	1рс
1/2" Post Clamp	1pc
4ft RJ12 Cable	1pc
RJ12 T-Splitter	1pc
1/2" End Cap	2pc

Accuracy

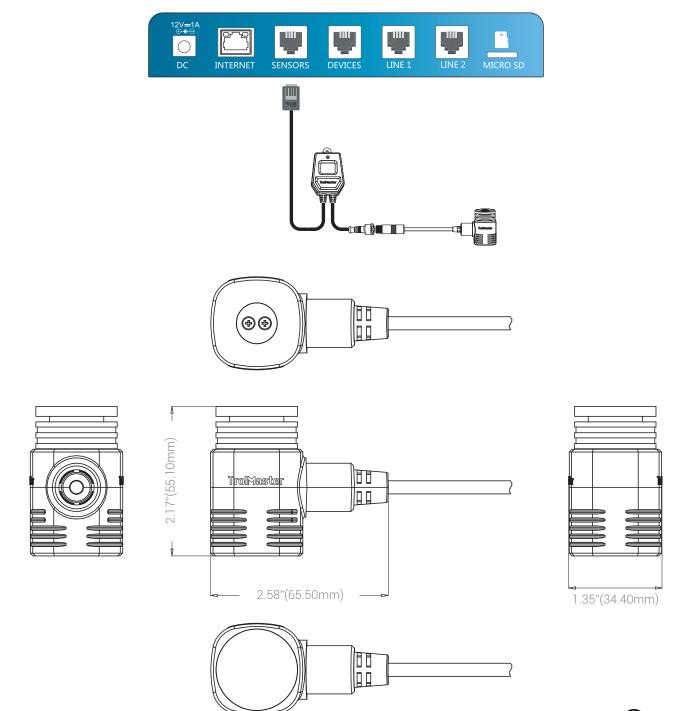
Accuracy $\pm (10+5\%)$

Link Up

TrolMaster

MBS-PAR

CONNECTION DIAGRAM





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Email: support@thinkgrow.com
Phone: 877-420-9876