# **MBS-PAR**

Full Spectrum Quantum Sensor

The MBS-PAR is a Full Spectrum Quantum Sensor that provides accurate and cost-effective measurement of photosynthetically 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%

#### **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/0.85kgs

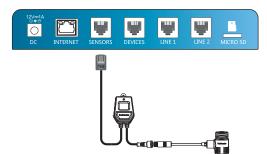
### Package Content

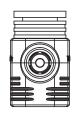
Full Spectrum Quantum Sensor	1pc
1/2" Post Clamp	1pc
4ft RJ12 Cable	1pc
RJ12 T-Splitter	1pc
1/2" End Cap	2pc

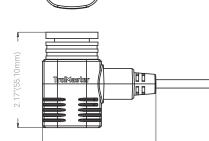
# **Link Up**

**MBS-PAR** 

#### **CONNECTION DIAGRAM**



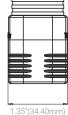




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