

# 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 ( $\pm 5$  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 PPF) 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

#### Maximum Current

Current 0.2A

#### 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

#### Working Environments

Temperature 32-122°F (0-50°C)

Humidity  $\leq 90\%$

#### Package Dimensions

Size 21.65"/550mm(L) x 11.22"/285mm(W) x 16.14"/410mm(H)

Gross Weight 1.88lbs/0.85kgs

#### Accuracy

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

#### Range

Range 0~4000 PPF

## Link Up

### MBS-PAR

#### CONNECTION DIAGRAM

