

## Scimetic Q-ePar Sensor

### Product Sheet: Scimetic Q-ePar Sensor

#### Overview

The wireless quantum par sensor is a cutting-edge device designed to accurately measure light levels in greenhouse or indoor cultivation spaces. With its advanced technology and user-friendly features, this sensor offers precise and reliable data for optimising plant growth and maximising yields.



#### Key Features

- **Wireless Connectivity:** The sensor seamlessly connects to your preferred device via wireless technology, allowing for convenient monitoring and control.
- **Quantum PAR Measurement:** Utilizing quantum sensors, this device measures photosynthetically active radiation (PAR) with exceptional accuracy, providing valuable insights into light intensity and quality.
- **Wide Measurement Range:** The sensor can detect PAR levels ranging from 0 to 2000  $\mu\text{mol}/\text{m}^2/\text{s}$ , ensuring comprehensive coverage of various lighting conditions.

- **Real-time Data Display:** Integrated into the Hortimod software the sensor provides real-time data visualisation, enabling growers to make informed decisions and adjust lighting settings as needed.
- **Durable Construction:** Built to withstand harsh environments, the sensor features a rugged design that guarantees reliable performance even in demanding cultivation settings.
- **Easy Installation:** The sensor can be easily mounted using the included brackets, allowing for hassle-free integration into existing greenhouse or indoor cultivation systems.

## Specifications

- **Dimensions:** 16 cm (length) x 6 cm (width) x 5 cm (height)
- **Weight:** 366 grams
- **Measurement Range:** 0-4000  $\mu\text{mol}/\text{m}^2/\text{s}$
- **Radiation Range:** 483-757nm (+- 5nm)
- **Wireless Connectivity:** IEEE 802.11 b/g/n 2.4GHz; (Wi-Fi)
- **Battery Life:** Up to 30 days on a single charge
- **Operating Temperature:** -35°C to 60°C
- **Storage Temperature:** 0°C to 40°C
- **Certifications:** Probe (NIST USA)

## Compatibility

The wireless quantum par sensor connects on the Scimetic net to any T1 controller using Hortimod OS.

## Applications

This sensor is ideal for greenhouse operators, indoor cultivators, and researchers who require accurate and reliable light measurement data for optimising plant growth, conducting experiments, and achieving desired crop yields.

## Conclusion

With its wireless connectivity, precise PAR measurement capabilities, and user-friendly features, the wireless quantum par sensor is an essential tool for anyone involved in greenhouse or indoor

cultivation. By providing valuable insights into light levels, this sensor empowers growers to make informed decisions and achieve optimal results in their cultivation endeavours.