ML-020P Par Sensor

The compact ML-020P PAR sensor or Quantum sensor has a special opical filter to mimic the spectral response function of typical plant leaves. The PAR sensor is most common to be used in horticulture or agriculture aplications. The photon active range between 400 - 700 nm represents the Photosynthetically Active Radiation (PAR) known as Photosynthetic Photon Flux (PPF) or Photosynthetic Photon Flux Density (PPFD) in µmol/m/s (micromoles of photons per meters squared per second).

The low output Voltage of the sensor can be easily converted to a 4-20mA current or higher Voltage using the MS-4..20mA converter. The mV/mA converter can be pre-programmed and optimized within the operating range compatible with common measurement equipment.

Features

- Fast Response Time (10ms)
- Horticulture / Agriculture Purpose
- Compact Design
- PAR Response Curve
- Glass Dome Plus Diffusor Optics
- Low Temperature Dependency

Specs

Specifications (Typical)	ML-020 PAR
Measurement Range	0~3000 µmol•s-1•m-2
Output (Approx.)	0~10,000µV (0~10mV)
Internal Impedance	160 Ω
Operating temperature range	-10 to +50°C
Temp. response (-10 ~ +50°C)	1.1 %
Size	Sensor Only: φ22 x 33mm With Mounting Plate: φ80 x 51mm
Weight	Sensor Only: 65g With Mounting Plate: 475g
Cable length	5 m
*Mounting Plate	Optional

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