



ML-020P PAR Sensor

Horticulture / Agriculture purpose

Compact design

PAR response curve

Glass dome plus diffusor optics

Low temperature dependency

The compact ML-020P PAR sensor or Quantum sensor has a special optical filter to mimic the spectral response function of typical plant leaves. The PAR sensor is most common to be used in horticulture or agriculture applications. The photon active range between 400 to 700 nm represents the Photosynthetically Active Radiation (PAR) known as Photosynthetic Photon Flux (PPF) or Photosynthetic Photon Flux Density (PPFD) in $\mu\text{mol}/\text{m}^2/\text{s}$ (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.

Specifications	ML-020P
Irradiance range	0 - 3000 $\mu\text{mol/s-1/m-2}$
Output	0 - 10000 μV
Impedance	160 Ω
Operating temperature range	-10 - 50 $^{\circ}\text{C}$
Temperature response -10$^{\circ}\text{C}$ to 50$^{\circ}\text{C}$	1.1 %
Cable length	5 m

Options	ML-020P
Cable length	10/30/50 m
Leveling Plate	Optional

Specifications are subject to change without further notice.