



# PG200N Handheld Spectral PAR Meter

Test by **NIST** **DIN** **JIS**



**Bluetooth**™



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**PG200N**

MADE IN TAIWAN

# PG200N Handheld Spectral PAR Meter

The **first 2 in 1 agricultural spectrometer** with **waterproof light quantum and motion sensors** in the market. LED-based technology farm, LED spectral ability, environmental control are related to plant growth. Prioritizing plant growth sequence will achieve a 24-hour daytime efficient growth opportunity.

The new generation **PG200N PAR Meter** breaks through the traditional quantum meter focusing on light analysis only. It is based on the users' experience and the function of software and hardware are upgraded.



## Feature

### G-sensor

Users can intuitively check the axial shift and the anchor point can be fixed anytime to avoid the artificial measurement error from happening. Outdoor planting and plant incubators are recommended.



Plant Factory site inspection. It is similar to horizontal "position sensor" function.



Sensor head can be used with a selfie stick and camera tripod. Users can easily measure far reaching ranges and adjust the measurement point horizontally.

## Plant Growth Spectrum Comparison

PG200N provides plant reference spectrum for users to compare and compensate the necessary light wavelength needed by plant as well as accelerates plant growth, flowering and bearing of fruits effectively. Measurement Wavelength expands to 350~800nm (UVA-FR).

⊗ Users depend on their needs to identify the PPF wavelength



## Complies with waterproof level IP66

It ensures the sensor head does not affect the precision data due to humidity. Greenhouse and Plant growth chambers are recommended.



## Specifications

Illuminance meter class	Directional response conforms to JIS C 1009-1:2006 for General Class AA. Directional response conforms to DIN 5032 Part 7 Class B.
Spectral Bandwidth	9 nm max
Wavelength Range	350~800 nm
Measurement Range	1. 70 ~ 150,000 lx 2. 0.5~1,000 W/m <sup>2</sup> (Irradiance) 3. 1~3,000 umol/m <sup>2</sup> *s (PPFD)
Integration Time Range	100 us ~ 1,000 ms
Dimensions	190 x 81.7 x 29.5 mm (H x W x D)
Weight	280 g ± 10 g
Display languages	English/ Traditional Chinese/ Simplified Chinese/ Japanese Spanish/German/French/Italian/Russian



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