

New Generation Farmer Smart  
Assistant to Catch LED Spectrum



## PG200N Spectral PAR Meter

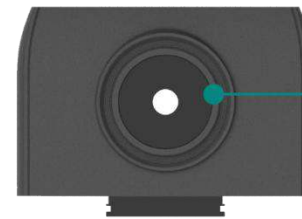
# PG200N Outlook



Sensor Cover



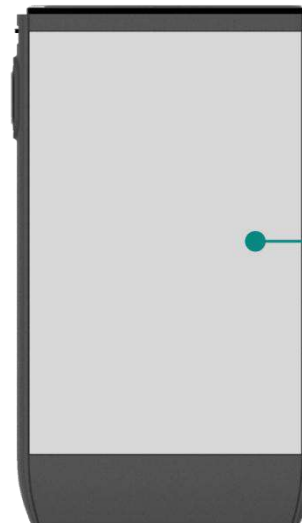
Micro SD card



CMOS Linear Image Sensor  
IP66 (Waterproof level)



USB Type C Interface (3M)



4.3" 800x480 Capacitive Touch LCD

Main Body

# Features

- Conforms with requirements of JIS AA class & DIN B class to meet the standard of illuminance meters.
- Sensor meets the IP66 waterproof level
- Auto dark feature- Ensures the measurement quality with high reliability and precision.
- PPFD Reference- For a better understanding of real needs of plants.
- PPFD/PFD range can be customized
- G sensor- Checks the measuring position from time to time and reduces the artificial measurement error.



# Operation Mode



- BASIC mode  
CCT / CRI / LUX /  $\lambda P$  / i-Time and etc.
- SPECTRUM mode  
Visible light spectrum
- new • PPFD mode  
PPFD / PFD / PFD-B / PFD-G and etc.
- new • PPFD SPECTRUM mode  
Visible PPFD spectrum
- CIE mode  
CIE1931 chromaticity / CIE1976 chromaticity
- LOGGING mode  
Continues measuring
- BROWSER mode  
Review historical data and save to the SD card easily.
- OPTION mode  
Other setup items to note in the System

# Compliance with the Standards

new

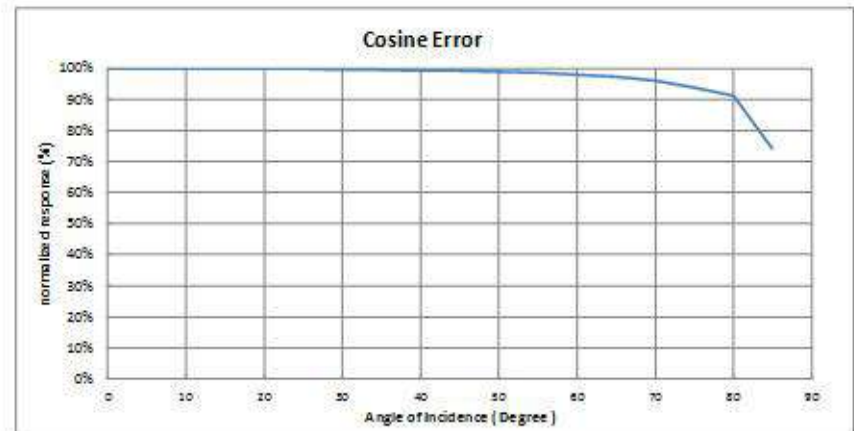
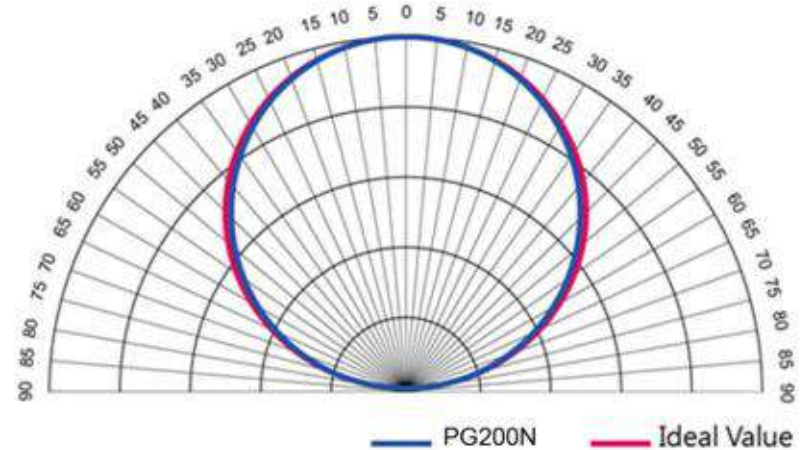
↘ High Accuracy, Precision and Reliability

## JIS AA

Conforms to JIS C 1609-1:2006  
for General Class AA

## DIN

Conforms to DIN 5032 Part 7 Class B



# Water Repellent sensor

new



Water Repellent

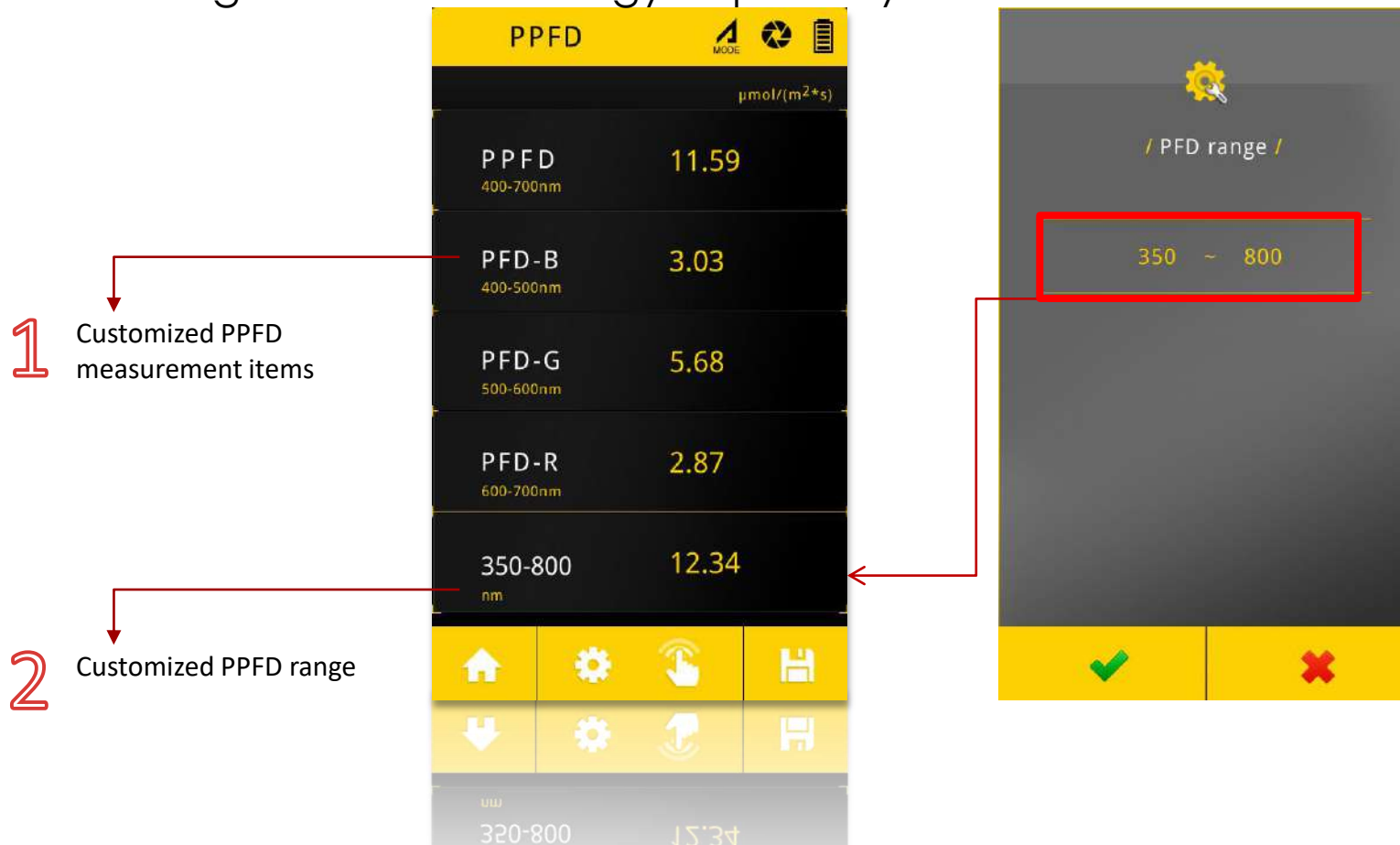




# PPFD Mode

new

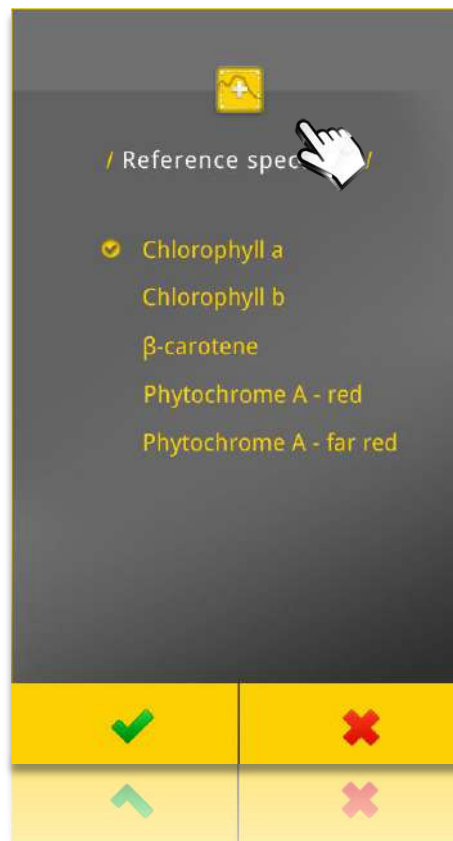
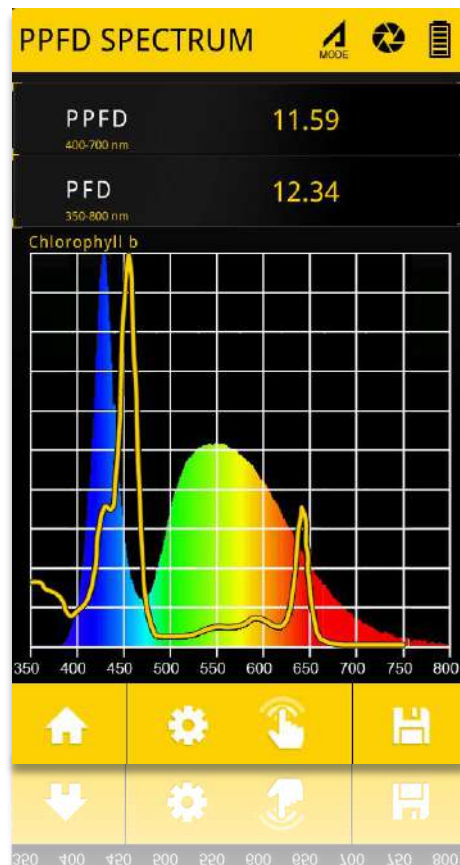
↘ Choosing the exact PPFD/PFD indices (B, G, R, UV and FR) or customizing the PFD range depend on users needs. As a result, they can know the effective light or radiant energy of photosynthesis .



# PPFD SPECTRUM Mode

new

➤ Embedded with PAR Reference Spectrum for users to compare and compensate the necessary light which the plant needs intuitively.



➤ Select Reference Spectrum



# G Sensor (Motion Sensor)

new

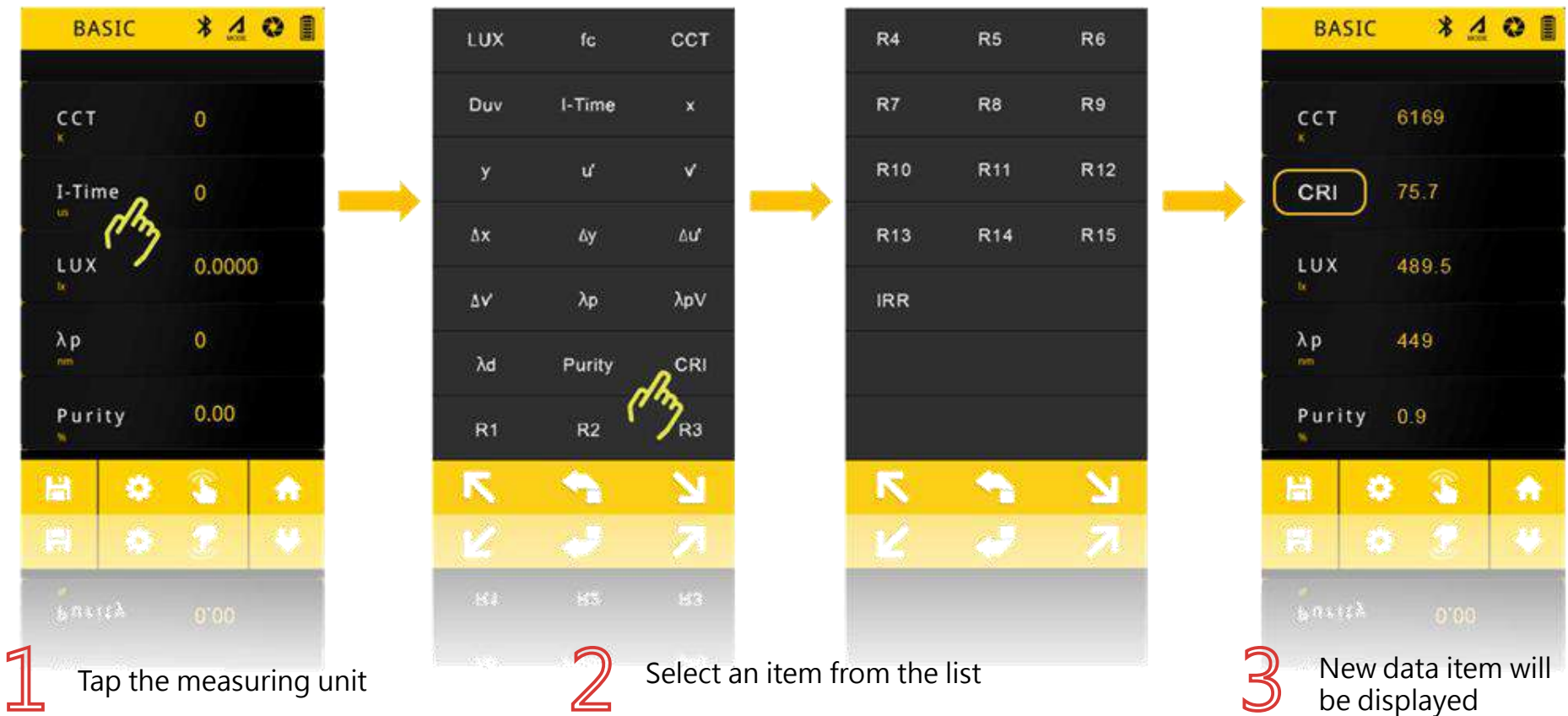
➤ It is similar to “Horizontal Position Sensor” function. It helps users adjust the measuring position dynamically.



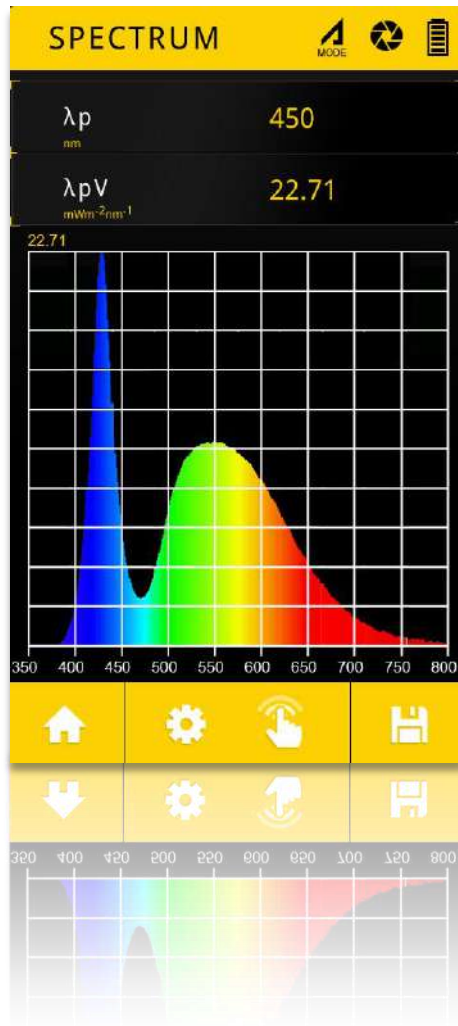
Sensor head also can be used with a selfie stick and camera tripod. Users can easily measure far reaching ranges and adjust the measurement point horizontally.

# Basic Mode

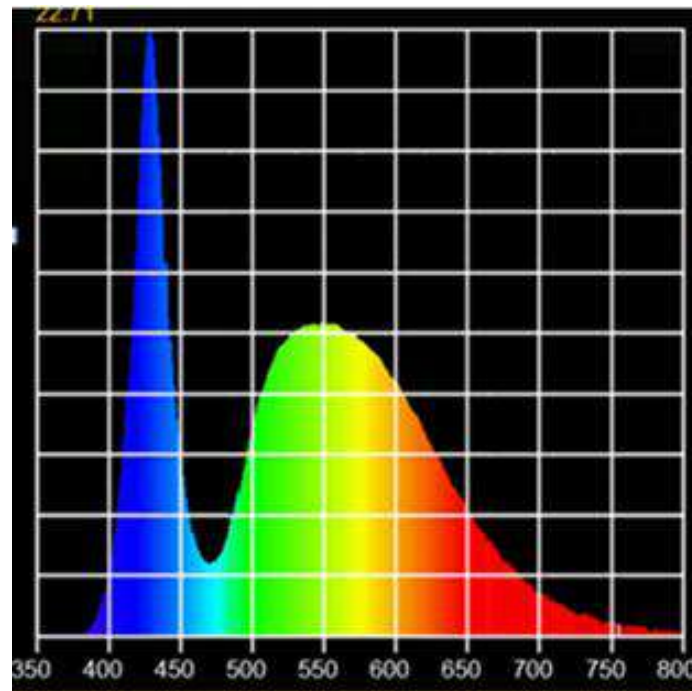
➤ Creating your main 5 customizing menu list.



# SPECTRUM Mode

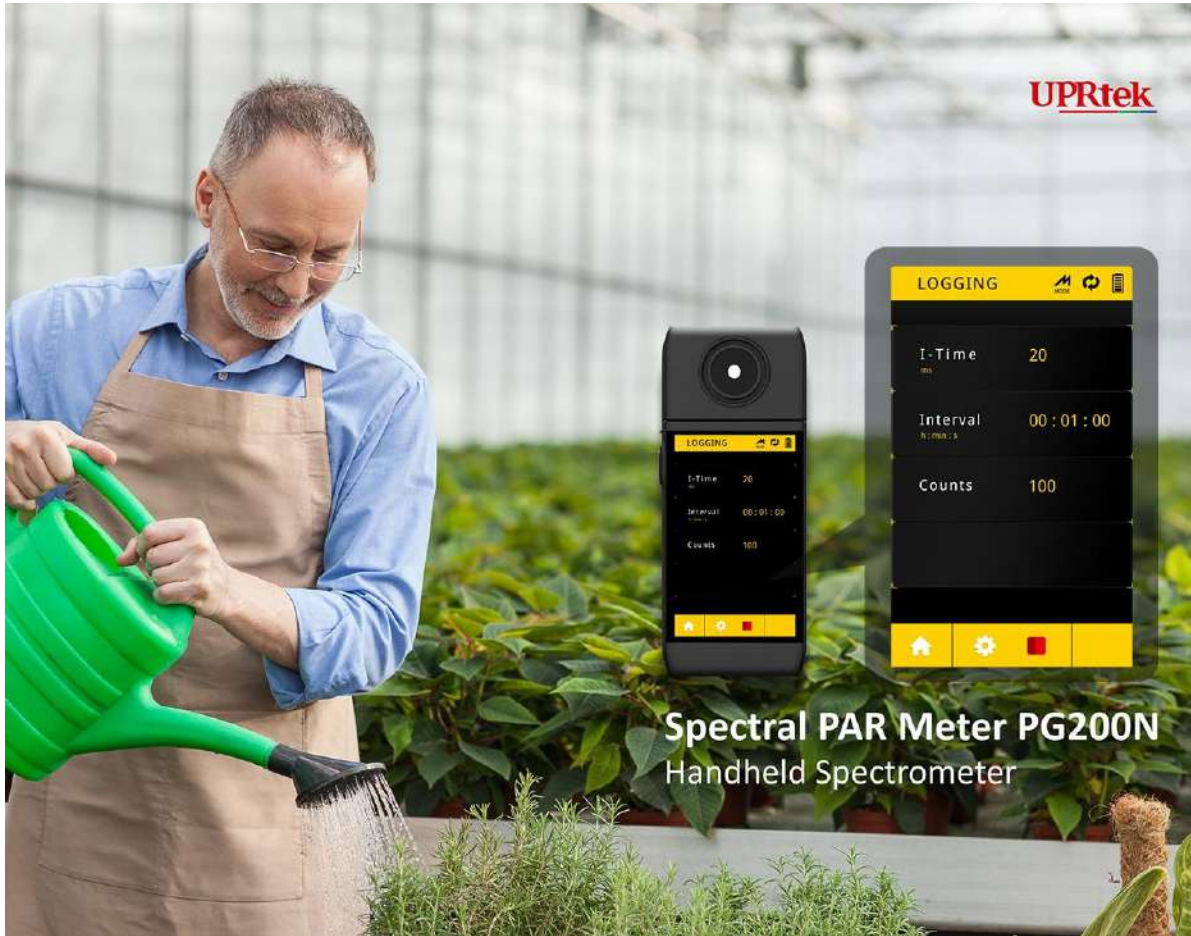


↘ Wavelength Range is 350 to 800 nm



# LOGGING Mode

➤ Monitors the LED light real time, records and analysis the data to help build the plant growth pattern.



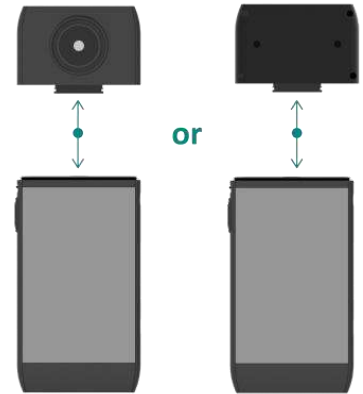


# Multiple-measurement

## ➤ Standalone



## ➤ Detachable Sensor Head



## ➤ With PC software through Type C Cable



uSPECTRUM



## ➤ With APP wireless measuring through Bluetooth



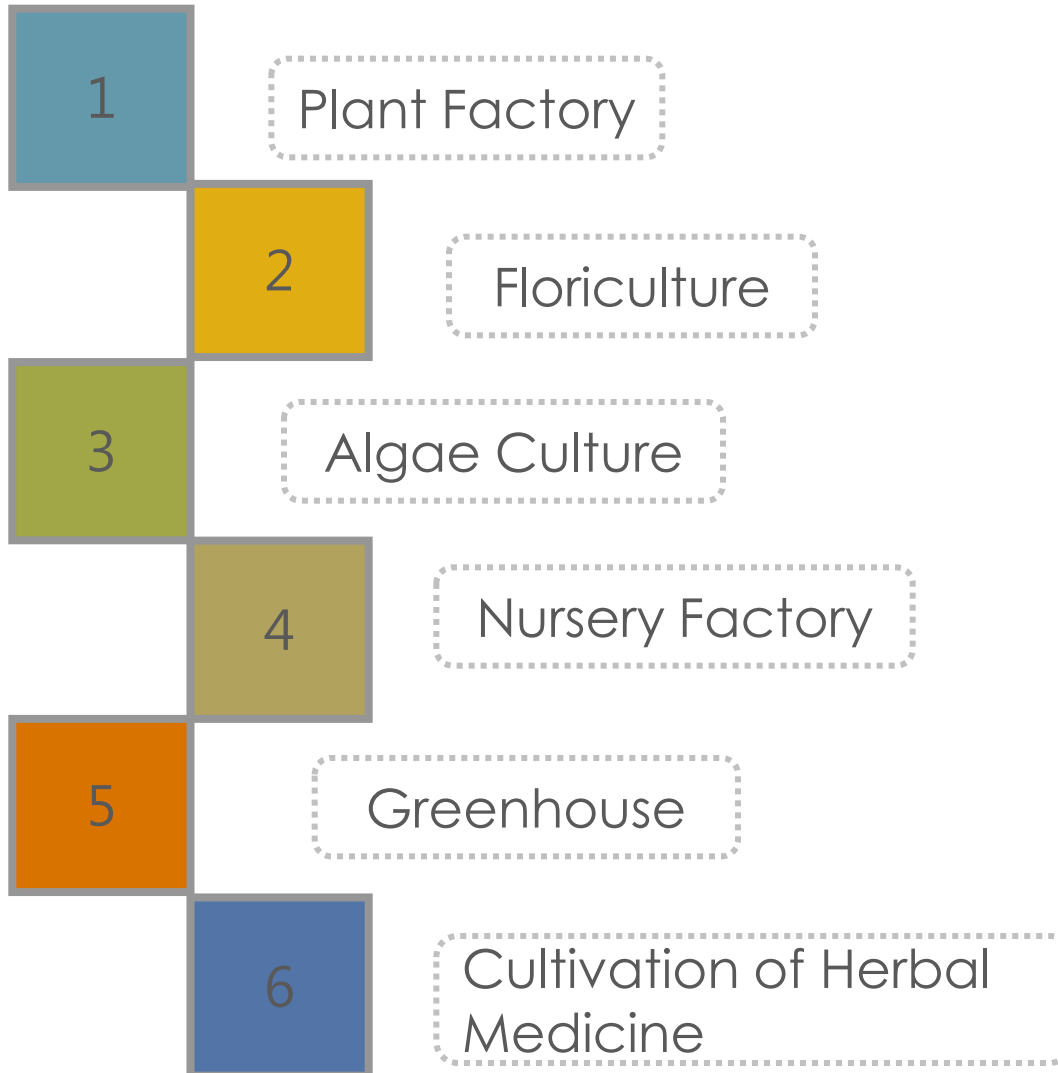
uSPECTRUM Mobile App



uSpectrum PAR



# Ideal For







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