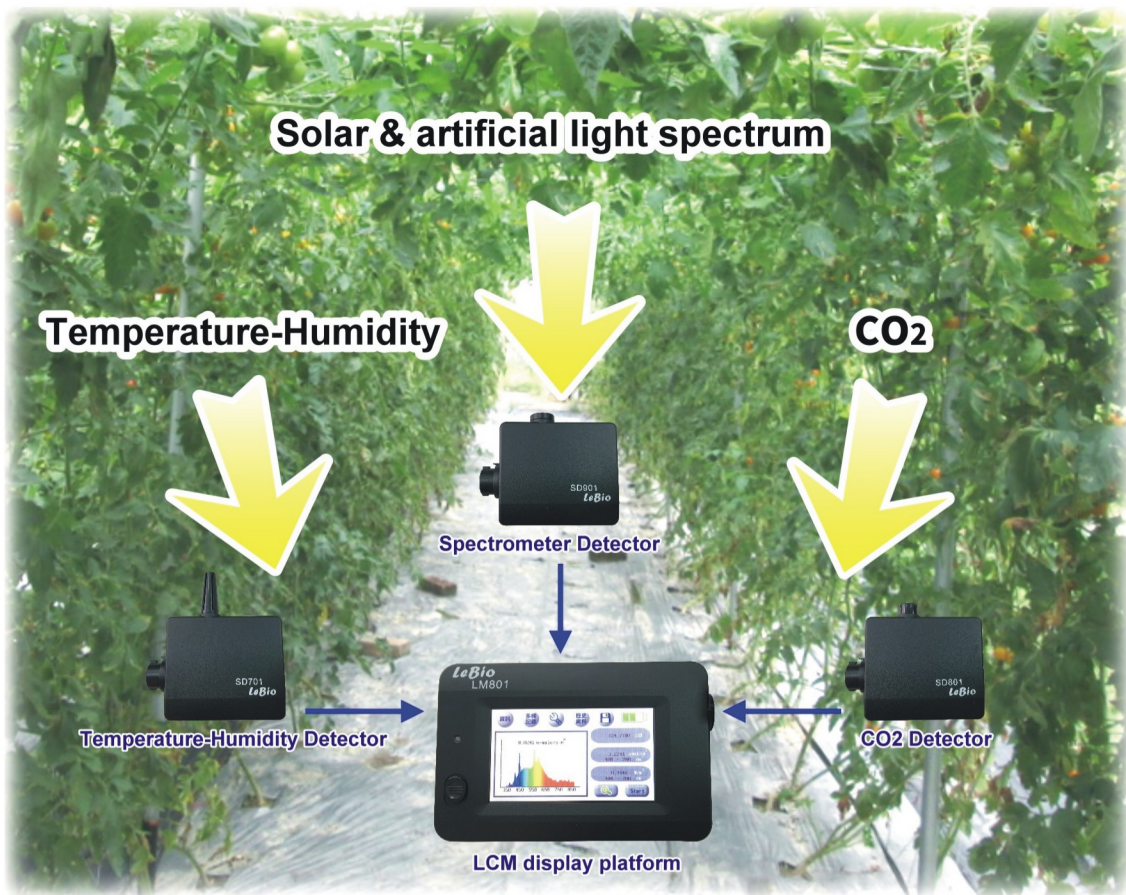# LeBio environ ®

Environment Measurement series - LM801S

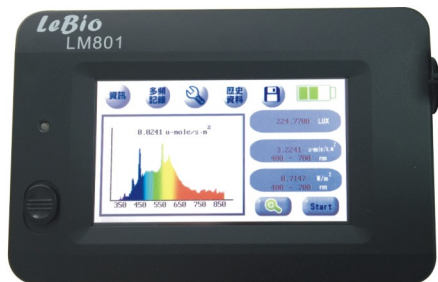First of the portable & multi- functions' measuring instrument system of the world.

Fully meet the photometric of plant growth and physiology of applied research, measure any wavelength range, intensity, spectral parameters and continuously monitoring and recording.

Solar & artificial light spectrum

Temperature-Humidity

CO2

Spectrometer Detector

Temperature-Humidity Detector

LCM display platform

CO2 Detector

Bluetooth

Dedicated software Firmware confirm

Product Name: LM801 display platform
Display Mode: 4.3 inch LCD (480x270) single-point touch panel
Data output interface Bluetooth
Data output format: converted to JPG by bundled software
Data storage capacity: 2000@ 32kb Serial Flash
Analysis software: Use computer to analysis files transferred by Bluetooth
Dimensions: L160 x W106 x H25 mm
Weight: 380g
Ambient temperature: $-10^{\circ}C \sim 50^{\circ}C$
Storage temperature: $-30^{\circ}C \sim 70^{\circ}C$
Storage humidity: $0 \sim 90\%$.
Battery life: Varied by settings (full-featured using for 4 hours)
Power supply: 3000 mAh / rechargeable lithium battery
Language selection: Traditional Chinese / Simplified Chinese / English

Product Name: SD901 Spectrometer Detector
Spectral wavelength range : 340nm ~ 850nm
Operating modes : Ten wavelength range can be set (overlap), and measured at the same time
Spectrum Measurement: Lux, PPFD, u-mole / m^2/ s, W /m^2, CRI, CCT
Color Measurement: CIE (x, y) , CRI, CCT
Measured light: Solar & artificial light spectrum
Continuous Measured time: continuous mode time period could be set, maximum up to 60 min.
Illumination measured: < =200,000 Lux
Measurement modes: Manual , Auto, single measured, continuous measured.
Transmittance mode: Ten wavelength range can be sent , measured Transmittance percentage.
Measurement precision: Illumination precision $\pm 5\%$, Color accuracy ± 0.002
Spectral wavelength width: 10 nm
Dimensions: L76 x W69 x H25 mm
Weight: 105 g

Product Name: SD 801 CO2 Detector
Operating temperature range: $0^{\circ}C \sim 50^{\circ}C$
Operating humidity range: $0 \sim 90\%RH$ (Non-condensing)
Maximum measuring amount: 5000 ppm
Accuracy: ± 30 ppm$\pm 5\%$
Response time (90%): 60 seconds
Sampling time: 3 seconds
Dimensions: L76 x W69 x H25 mm
Weight: 80 g

Product Name: SD 701 Temperature-humidity detector
Temperature range: $-30^{\circ}C \sim 115^{\circ}C$(support Fahrenheit and Celsius display)
Humidity range: $0 \sim 100\%RH$
Temperature accuracy : $\pm 0.3^{\circ}C$ (25$^{\circ}C$)
Humidity accuracy: $\pm 4.5\%RH$ (25$^{\circ}C$)
Temperature response time: 10 seconds (15$^{\circ}C \sim 45^{\circ}C$)
Humidity response time: 10 seconds (35%RH ~ 75%RH)
Dimensions: L76 x W69 x H25 mm
Weight: 60 g

Patent pending