



TW-W25

BIOMEDICAL FREEZER

Introduction

TOP INSTRUMENT Plant Lighting Analyzer is a professional instrument for real-time detection of spectral components. The spectral measurement range (350-800nm) covers the visible light band. It can detect a series of optical parameters, such as photosynthetically active radiation, photosynthetic photon flux density PPF, different light quality composition ratio and so on.

Features

- 5.0 inch high definition touch screen operation, one key measurement, fast detection of light source spectral distribution.
- The measured data include more than 40 Photonics and optical parameters, such as illuminance, par (400-700nm), PPF, different light quality components (infrared, red, green, blue, ultraviolet, etc.), radiation intensity, ratio of red to blue light quality irradiance, chlorophyll weighted irradiance, color temperature, central wavelength, etc.
- Support 180° screen rotation, screen brightness adjustment and key screen capture.
- The analysis result diagram includes spectrum distribution diagram (350 ~ 800nm), CIE standard chromaticity diagram (1931, 1960, 1976), color tolerance diagram, color rendering index CRI diagram.
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Technical Parameter

wavelength range	350nm~800nm	communication interface	Micro USB interface
Sensor	High precision CCD	Color temperature range	1,000K~100,000K
Chromaticity standard accuracy	± 0.0025	Stray light	≤ 0.3%
Storage capacity	actory standard 8g tfcard (micro SD)	Continuous working hours	20 hours
Spectral bandwidth (FWHM)	2nm	illumination measurement range	5lx~200klx
Spectral resolution / repeatability	0.2nm, x, y repeatability ± 0.0005	Integral time	50 μ s~10000ms
Wavelength accuracy	± 0.5nm		
Main engine size / weight	138.5mm (height)*81mm (width)*23mm (thickness) / about 430g without accessories (including battery)		