Jaz Light Meter

A spectral irradiance measurement system

Ocean Optics

Jaz Light Meter

The Jaz Light Meter is a preconfigured spectrophotometer that is the ideal tool for field and laboratory measurements of any type of lighting. With the Jaz Light Meter you can measure the spectral characteristics and calculate key parameters such as Lux, Lumen, PAR, Watts, CIE, CRI and x,y values. The Jaz battery module enables you to measure up to 8 hours without recharging and its SD card slot gives you a convenient way to store spectral data.

Applications

» Quality control for LED sorting systems
» Incoming inspection of LEDs
» Characterisation of luminaires
» Acceptance test of light designs
» Analysis of LED displays
» Determination of colour values of LEDs
» Spectral output measurements of LEDs
» Absolute radiometric and photometric value analysis
» LED colour rendering
» Advanced colour analysis

Features

» Stand alone operation
» Preconfigured and calibrated system
» CC3-DA direct attach cosine corrector
» Rechargeable 8-hour battery module
» SD card storage
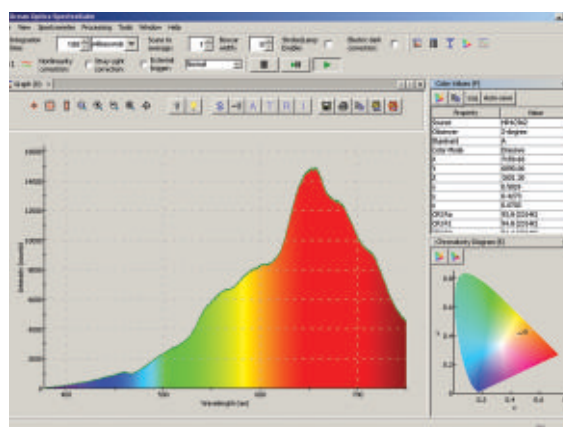» Ethernet connectivity
» Including convenient case

Advantages

» All key parameters (CIE, CRI, x,y, Lux, Lumen, PAR, Watts, etc.) with one device
» No need for external power supply
» Flexible
» Portable
» User-friendly
» Remotely accessible via Ethernet

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Specifications

Jaz Light Meter (Jaz-ULM-200)

Detector	Linear 2048 pixel CCD array
Wavelength range	350 - 900 nm (other ranges are possible)
Probe type	Cosine-corrected Spectralon® irradiance probe
Output	Spectral data in µW /cm²/nm
On screen display	Full spectrum (2048 points); Lux, Lumen, PAR, Watts
Post Processing *	CRI, CCT, CIE, and other photometric and colourmetric values
Optical resolution	1 nm (FWHM)
Signal-to-noise ratio	250 : 1
Integration time	4 ms to 65 seconds (autoset)
Power supply	5 V x 4 A
OLED display	128 x 64 OLED display
Keypad	Push-button functions easy to read from any orientation
Onboard computer	Embedded processor with data processing and storage capability
Additional features	USB 2.0
Ethernet	100 Mbps, IEEE 802.3-compliant 10 / 100
Data storage	via SD card
Battery type	Rechargeble Lithium-ion
Battery life	8 hours before recharging
Mounting	Universal 1/4-20 screws

* Using SpectraSuite software

Post-processing in SpectraSuite

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