

Now, You Can See the Light



Jaz at a Glance

Lighten Up!

There is simply no better sensing instrument for measuring LEDs, flat panel displays, lamps and other radiant sources than Jaz from Ocean Optics

This modular, stackable community of smart-sensing instruments offers you unparalleled accuracy in relative intensity measurements of incandescent, high-intensity discharge (HID), UV curing and fluorescent lamps as well as low-power sources such as LEDs and OLEDs.

It's Changing the World

- Powerful microprocessor and onboard display allow you to measure without a PC
- Stackable and autonomous instrument modules allow you to customize Jaz to their changing application needs
- Ethernet connectivity plus SD card data storage capability make remote operation a snap
- Expansion up to 3 channels allows simultaneous, independent measurement
- Customized display orientation makes operation convenient in both lab and field
- Up to 8 hours of battery life give you superior freedom
- Sleep Mode conserves power while collecting data over longer periods

Jaz Spectrometer Module

Detector:	Sony ILX511B linear CCD array (200—1100 nm)
Grating Options:	14 gratings, UC through Shortwave NIR
Slits:	Choose from 5, 10, 14, 50, 100 or 200 μm widths
Fiber Optic Connector:	SMA 905
Wavelength Range:	Maximum 650 nm
Optical Resolution	~0.3—10.0 nm (FWHM)
Signal-to-noise Ratio:	250:1
Dark noise:	50 RMS counts
Dynamic range:	1300:1
Integration time	4 ms - 65 seconds

Electronics

Power consumption:	~2.5 W
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Jaz OLED Display Module

OLED Display:	128 x 64 OLED Display
Keypad:	Push-button functions easy to read from both orientations
Onboard Computer:	Embedded processor with data processing and storage capability

Jaz Ethernet and Memory Module

Ethernet:	100 Mbps, IEEE 802.3 compliant 10/100
Data Storage:	Via SD Card

Jaz Battery and Memory Module

Type:	Rechargeable Lithium-IOM
Life:	~8 hours before recharging

Jaz VIS/NIR Light Source Module

Type:	Tungsten-halogen
Bulb Life (estimated):	1100 hours

Jaz 450 Light Source Module

Type:	LS-450 LED
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