

# Now, You're Going Places



## Jaz at a Glance

### Get Out There!

With Jaz from Ocean Optics, the world is your laboratory. Nimble in Field, Remote Sensing and Process Management applications, Jaz is changing the very future of spectroscopy.

This modular, stackable community of smart-sensing instruments offers you unparalleled versatility and breaks down barriers by enabling you to work more easily in virtually any environment.

### 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 $\mu\text{m}$ 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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