

# Now, You're Going Places



## Jaz at a Glance

### Get Out There!

Get real-time data in a variety of settings with Jaz—the handheld, field-portable analytical instrument from Ocean Optics. With it, the world is your laboratory!

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
- Powerful spectral analysis in a convenient, handheld unit
- Stackable and autonomous instrument modules allow you to customize Jaz to your changing application needs
- Ethernet connectivity plus SD card data storage capability make remote operation a snap
- Expansion up to 3 channels allows simultaneous, multi-point measurement
- Changeable display orientation makes operation convenient in both lab and field
- Up to 8 hours of battery life — ideal for field work

#### Jaz Spectrometer Module

Detector:	Sony ILX511B linear CCD array (200 - 1100 nm)
Grating options:	14 gratings, UV through Shortwave NIR
Slits:	Choose from 5, 10, 25, 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 either orientation
Onboard computer:	Embedded microprocessor with data processing 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-Ion
Life:	~8 hours before recharging

#### Jaz VIS/NIR Light Source Module

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

#### Jaz L450 Light Source Module

Type:	Blue LED
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**Ocean Optics**

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