

# Now, Things are Flowing



## Jaz at a Glance

### Go with the Flow!

Integrate multi-point sampling and reference monitoring into your process flow with the remarkable Jaz from Ocean Optics.

With Jaz, you can eliminate the need of expensive laboratory spectrophotometers and quickly configure a variety of absorbance, reflectance and emission measurements into your line. It's the perfect solution for verification of color and appearance of foods and analysis of chemical dissolution for pharmaceutical production.

### 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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