

# Get to Know Jaz

the world's coolest modular measuring suite



Since Jaz is made up of autonomous modules that share common networking and electronics, it's the most versatile sensing solution for a virtually endless range of applications. Jaz can be built to suit with multiple spectrometer channels and can include an optional light source, optional Ethernet module and more. Although Jaz comes with its own basic software, you can increase your range of software options with add-ons such as SpectraSuite spectroscopy software, Jaz-IRRAD absolute irradiance-measurement software and a software scripting tool that lets you build self-contained Jaz applications (see page 13). Make it your own and put a little Jaz into your work.

## Why Choose Jaz?

- Reliable performance
- Replaceable slit aperture
- Benchmarked to our flagship USB2000+
- Remote access over Ethernet
- Make parameter changes on the fly
- Intensity control of light sources
- Changing LEDs is simple and fast
- Fully tested in extreme conditions
- Fully upgradeable hardware and software

## Jaz for the Laboratory

- UV-VIS applications
- Ideal for light measurement
- Handheld spectral analysis
- Convenient user interface

Jaz's Ethernet connectivity, battery operation and PC-free use make it an excellent choice for a wide range of lab applications. You can easily mix and match Jaz modules to optimize setups for thousands of absorbance, reflectance and emission applications. Save time in your lab with Jaz. If you're using multiple spectrometers or light sources, Jaz eliminates the worry of setting up a computer or configuring separate spectrometers to monitor a reference source. Jaz's nimble software has simple wizards for basic spectroscopy measurements so that even a layperson can capture spectra in minutes. All of it adds up to an easy-to-use, time-saving solution in the lab.

- Benchmarked to high performance standards of the USB2000+ Spectrometer
- Replaceable laser-cut slit and aperture assemblies
- Ethernet module for remote data analysis, integration time control and convenient on-the-fly parameter changes
- Adjustable light source intensity
- RoHS and CE Mark certified

## Jaz for Field Applications

- Vineyards and crop management
- Water testing and monitoring
- Upwelling and downwelling
- Environmental research and analysis

Leave the PC at the office and really dig into field analysis. Jaz does the processing in a convenient, handheld modular stack, storing data to your SD card, processing spectra through its powerful onboard DPU and displaying results on its built-in OLED display. Add the Ethernet module to connect Jaz to the Internet for remote measurements. The battery module is rechargeable and the SD card slots make storing data simple and convenient.

- Rechargeable 8-hour Lithium-Ion battery
- Microprocessor and onboard display eliminate the need for a PC
- Stackable, autonomous instrument modules allow you to customize the system to your changing application needs
- Ethernet connectivity plus an SD card for data storage make remote operation a snap!
- Reversed orientation keyboard option
- Temperature range -10 °C to +55 °C





Take Jaz with You



Perfect for Your Lab



Ideal for Light Sensing



There's Nothing Simpler

## Jaz for Multichannel Sampling

- Convenient reference monitoring
- Expanded wavelength range
- Multipoint sample analysis
- Absorbance, reflectance and emission setups

You can add up to 8 spectrometer channels to any Jaz stack for simple, inexpensive in-line or in-lab multipoint sampling and reference monitoring. Since Jaz's modules are RoHS compliant and CE Mark certified, they are incredibly robust for demanding environments operating at temperatures of -10 °C to +55 °C. Jaz is also versatile enough for quality control and process applications ranging from verification of color and appearance of foods to analysis of chemical composition in a variety of substances.

- Up to 8 spectrometer channels
- Easily configured for multipoint sampling within process streams
- PC-free operation and Ethernet connectivity for remote sensing
- Small-footprint system for simple deployment in process and other environments
- Tested at temperature ranges of -10 °C to +55 °C



Starting at \$2,540

Base unit with spectrometer and DPU. Contact an Ocean Optics Applications Scientist for more information at +1 727-733-2447 or via email at [info@oceanoptics.com](mailto:info@oceanoptics.com).

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