OEM Spectrometer Engines for UV-VIS, NIR, and Raman

StellarNet's wide range of miniature spectrometers and complete line of light sources, optical fibers, and sampling accessories combine with software development tools to enable easy integration of various optical sensing techniques into end user systems. Any of our standard products can become your OEM solution. UV,VIS, NIR and Raman OEM spectrometer engines are among the most popular as well as all of the software and integration tools you may need!

New OEM BLUE-Wave Engines with mini electronics!
Just 1x3x3" size

Add a zAP2 upgrade or SMART-Control to your OEM spectrometer engine to enable local application processing and variety of external interface possibilities!

OEM Success Starts Here

OEM applications are our specialty. Each OEM starts with a thorough evaluation of your application and an OEM Design Proposal. We also offer reduced cost OEM DEMO systems that are when an OEM design proposal is concurrently purchased. This assists with collaboration between teams of engineers.

Compact & Rugged with Thermal Stability

StellarNet OEM spectrometer engines are shock-proof with no moving parts. Advanced optical designs reduce thermal drift as well as built in temperature compensation features.

Windows SpectraWiz Software

Customizable programs for LabVIEW, C, C#, VB, Pascal, VBA and Python

NEW! Linux and SpectraWiz Mobile Software

SpectraWiz Mobile App set written in Python for General Spectroscopy, Radiometry, Colorimetry, and Concentration Analysis. Using the *Set Export* feature you can select which output protocol suites your requirements.

The Mobile Apps support many communication protocols such as RS232, 4-20mA Analog for PLCs, SPI, WiFi and other options. Add a zAP2 to enable onboard application processing and transmission over WiFi or add the SMART-Control device for additional hardware connection options.

Specifications	OEM BW Spectrometer Engines	
Spectrometer: OEM BLUE-Wave, BLACK-Comet, SILVER-Nova, DWARF-Star, and other options available	BW Engine Dimensions: 1x3x3"	
Spectrometer range: 190-1700nm in various options	**Measurement Speed:** 1ms- 8minutes	
Optical resolution: As good as <0.1nm	**Spectrometer Interface:** USB2; zAP2 adds WiFi; SMART-Control adds RS232, SPI, 4-20mA Analog, 26 digital I/O, Ethernet, I2C, and WiFi (other options available upon request)	
Detector type: 2048 pixel CCD, CMOS, or PDA		
	zAP2 upgrade	**SMART-Control Upgrade**