

# Analytical Instrumentation

Surf the New Wave in Portable Fiber Optic Spectrometry

**StellarNet Miniature Spectrometers** are fiber optic instruments designed for laboratory, field, and industrial applications requiring spectroscopy measurements in the 190-2300nm wavelength ranges. The instruments are designed to be vibration tolerant with **no moving parts** or detector sockets for **portable test measurements** and industrial reliability. StellarNet includes SpectraWiz software **Free** with customizable LabView and Excel+VBA programs!

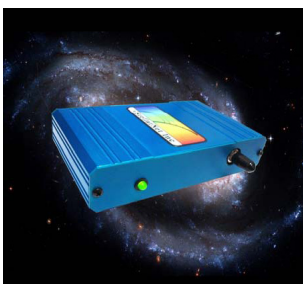


## **BLACK-Comet Spectrometers for UV-VIS (and NIR w/Super Range -SR)**

- o Aberration Corrected **Concave** gratings **Deliver** near Perfect Spectral Images
- o Concave optics have **No Mirrors** to provide the Lowest Possible **Stray Light**
- o Flat field produces **Uniform Resolution** (<1nm) over wavelength range
- o 50% **Higher UV** sensitivity below 400nm compared to plane grating optics
- o **Ruggedized 16bit Instrument** in Miniature Metal Enclosure (2.7 x4.3 x6 inch)
- o Robust instrument is shock proof with no internal optical adjustments
- o **4 models:** C 190-850nm, CXR 280-900nm, C-SR 200-1080nm, CXR-SR 220-1100nm

→ \$2750

→ \$3495 SR



## **BLUE-Wave Miniature Fiber Optic Spectrometers for UV-VIS-NIR & OEM**

- o Wide selection of models for measurements in **190-1150nm wavelength range**
- o UVN **eXtreme Grating** technology delivers high efficiency in both UV and NIR
- o **16-bit** digitizer with onboard spectral memory and **high speed USB-2** interface
- o Up to 8 instruments **connect and operate simultaneously** via USB hub
- o External **TTL trigger** for synchronized capture for plasma monitoring and LIBS
- o Robust system is shock proof in Miniature Rugged Metal Enclosure

→ \$2500 CCD detector with 2048 pixels, S/N 1000 -UV or DLENS upgrade \$extra

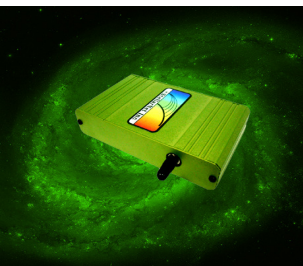


## **RED-Wave NIR-InGaAs Spectrometers for 0.9-1.7um & 0.9-2.3um ranges**

- o **TE cooled** 512 Element InGaAs Photo Diode Array with 25x500um pixels
- o Detector delivers **4000:1 Signal/Noise** using Correlated Double Sampling
- o **Zero Defect** 512 Detector Array provides 5nm Resolution with 25um slit
- o **Optional 1024 Detector** for 2.5nm Resolution with 25um slit - **only \$4570 extra**
- o **16bit digitizer** with x10 detector gain switch and **high speed USB-2** Interface
- o **DWARF-Star** models now available in **Ultra Miniature Metal Enclosure!**

→\$13,125 NIR-512 (0.9-1.7um)

→\$17,995 NIRX-SR-512 (0.9-2.3um)



## **GREEN-Wave Miniature Low Cost Fiber Optic Spectrometers 350-1100nm**

- o **Ideal for low cost** applications like educational labs and field spectroradiometers
- o **16-bit** digitizer with onboard spectral memory and **USB-2** interface
- o Up to 8 instruments **connect and operate simultaneously** via USB hub
- o Robust system is **shock proof** in Miniature **Rugged Metal Enclosure**
- o For UV range or DLENS enhanced sensitivity upgrades order BLUE-Wave

→ \$1948 CCD detector with 2048 pixels, S/N 400

