

Analytical Instrumentation

Surf the New Wave in Portable Fiber Optic Spectrometry

The StellarNet EPP2000 Spectrometers are **portable** fiber optic instruments for **UV**, **VIS**, and **NIR** measurements in 190-2500nm ranges. These units represent a **step up** in **low cost** instrument design. **2048** wavelengths, CCD/PDA detectors, **no** moving parts, **no** detector sockets, integrated A2D digitizer. **Numerous** models offer standard or **high resolution (HR)** optics for selected spectral operating ranges.

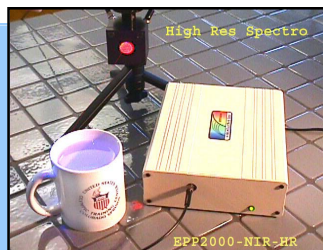


Portable EPP2000 Spectrometers with High Speed Parallel port *new!* USB2EPP cable

- Works on Desktop or Notebooks with Windows 9x/NT/00/XP/Dos
 - Miniature sizes from 1.5 x 3.5 x 6 inch in Rugged Metal Enclosures
 - IEEE1284 Digital Interface (faster than USB1) can be Daisy Chained
 - **UV-VIS** model has **aberration** corrected **concave** grating - **no** mirrors
 - Optional Battery powers spectro and lamps to extend portable lifetime
 - **Plug & Play** Installation for Notebooks, Desktops, and New USB2 option
- Prices for CCD with slit, UV-VIS includes UV detector and order sorting filters.

UV-VIS \$2,595

VIS-NIR \$2,295

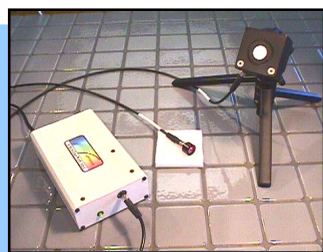


EPP2000-HR [High Resolution] for Optical Spectrum Analysis

- More than **Double** the Resolution of a Standard EPP2000 for \$500 more
- Optical Resolutions to Better than 0.1nm (**1 Angstrom**) for Select Models
- Works with All EPP2000 Fiber Optic Accessories, Interfaces and Software
- **Rugged** Metal Enclosure protects Larger Spectrograph Optics + Low Cost
- Measures Peak Wavelengths, Centroids, and Signal **FWHM** Bandwidths
- For Microsensor apps, Laser Tuning, and Laser Stability Measurements

UV \$2,920

VIS-NIR \$2,795



SpectroRadiometers Measure Intensity & Color of Light

- EPP2000C UV-VIS or EPP2000 VIS-NIR with Fiber Optic Cosine Receptor
- Optional IC2 Integrating Cube, 2 x 2 x 2 inch with 5/8 inch input port
- Measure Irradiance in **watts** per meter² per nanometer or uwatts/cm²,
- Also Photon dose rate in **moles** per second per meter² per nm - **PAR**
- Illuminance in **lumen/m²** - **LUX**, **xy Chromaticity** Diagram for LEDs
- **NIST** traceable IRRAD-CAL 300-1100nm, UV CAL 200-400nm available

UV-VIS (200-850nm) \$2,999

VIS-NIR (350-1100nm) \$2,719



EPP2000C UV-VIS Spectrometer with Holographic Concave Grating *new!* 2500um tall PDA

- Perfect Spectral Imaging with **No Mirrors** for Lowest Possible Stray Light
- **High** Dispersion **Efficiency** over Ranges for **190-850nm** or 250-900nm
- Optical Resolution <1nm (25um slit) or 3nm (100um slit) or 6nm (200um)
- Includes software Apps for Chemistry Concentrations, SpectroRadiometry, SpectroColorimetry, **UVabc** Lamp Monitors & Optical Spectrum Analysis
- See optional Light Sources, Cuvette Holders, Dip & Reflectance Probes

EPP2000C CCD \$2595

EPP200C PDA \$3795



www.StellarNet-Inc.com

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Surf the New Wave in Portable Fiber Optic Spectrometry

The **StellarNet EPP2000 Spectrometers** are fiber optic instruments designed for laboratory, field, and industrial applications requiring spectroscopy measurements in the 190-1700nm wavelength ranges. The instruments are designed to be vibration tolerant with **no moving parts or** detector sockets for **portable test measurements** and industrial monitoring.



EPP2000-NIR-InGaAs Spectrometers for 0.9-1.7um & 1.7-2.5um ranges *new!* 2.5 MHz 14bit digitizer

- TE cooled 512 Element InGaAs Photo Diode Array with 25x500um Pixels
- Resolution <4nm with 25um slit, - Gain switch (x10) for Charge Well
- Works on Desktop or Notebooks with Windows 9x/NT/00/XP/Dos
- Miniature package in Rugged Metal Enclosure 2.7 x 4.3 x 6 inch
- IEEE1284 Interface for Desktop PCI and Notebook PCMCIA or USB2
- Easily Daisy Chains with EPP2000C UV-VIS to cover 250-1700nm
- Extended range for 1.7-2.5um and High resolution models available

NIR-InGaAs-0.9-1.7 \$13,195

NIR-InGaAs-1.7-2.5 \$23,195



Multi-Channel Spectrometer Systems - SSBox4 and SSRack8

- Turnkey 4 and 8 Channel Spectro Systems with 100 Mbit **Net Interface**
- Spectrometers Integrate in Parallel for **Synoptic** Multi-Beam Operation
- Parallel Processing** Drivers for OEM applications and LabView software
- Interchangeable** UV/VIS/NIR spectrographs – same as EPP2000 models
- Optical Configurations can be Similar or for High Resolution Extensions
- Reliable for Industrial **Monitoring** in Chemical or **Remote Sensing** Apps

~Per channel \$1,995



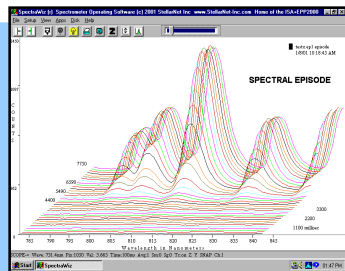
Computer Interface Options for EPP2000 Spectrometers

- EPP-PCMCIA** Plug & Play PC card for Portable Notebook Computers
- EPP-PCI** Plug & Play PCI card for Desktops is 3x faster than PCMCIA
- USB2EPP** Cable Transports Spectra 40x faster than USB1 on new **USB2**
- EPP Parallel ports are 4x faster than USB1. **Speed** is essential to provide the **highest signal to noise** by sample averaging the spectral data. Your S2N improves by the square root of the number of samples averaged !

EPP-PCI \$59

EPP-PCMCIA \$155

USB2EPP \$155 *new*



Powerful SpectraWiz® Software Included **Free** of Charge

- Spectral processing for real-time **Spectroscopy**: AU,%T,%R,watts,lumens...
- Measurement Apps for **Chemistry** concentrations, Spectro**Radiometry**, Spectro**Colorimetry**, **UVabc** Lamp Monitors & Optical Spectrum Analysis
- Data **export** to MS Excel, or Galactic **Grams/32**, by range and increment
- Episodic data capture provides **3d graphing** and **time series** analysis
- Sample code and Driver for custom C++/VB/VBA/Delphi & LabView

SpectraWiz > \$1000 = free



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