



2026 StellarNet Spectrometer Line-Up

StellarNet Compact Spectrometers are designed for laboratory, field, and industrial applications requiring spectroscopy measurements in the UV, VIS, and NIR ranges. The instruments are designed to be vibration tolerant with no moving parts for portable test measurements and industrial reliability.

BLACK-Comet Research Grade Concave Grating Spectrometers



- Measurements in the 190-850nm / 280-900nm range or -SR 200-1080nm / 220-1100nm
- High-performance concave grating optics for UV-VIS applications
- Superb spectral imaging with no mirrors for lowest possible stray light
- **Interchangeable Slit Upgrade Available**
- Enhanced UV Sensitivity & Flat-field imaging for uniform resolution
- No optical adjustments for extreme thermal stability and ruggedness
- Thermo-electrically Cooled Detector (TEC) upgrade increases S/N by 60% at long integration times

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



- Measurements in the 200-1150nm wavelength regions
- 15 standard models with options for customized wavelength ranges
- Signal: noise = 1000:1
- High-speed 16-bit electronics for fast data acquisition
- For process, lab, and field applications
- 1x3x5 inch enclosure allows for extreme portability
- Low power consumption for 2x longer lifetime on tablets/laptops
- Great for OEM applications with SDK included FREE



SILVER-Nova Super Range eXtreme TE Cooled Miniature Spectrometers

- Measurements in the 190-1110nm ranges
- Resolving resolution 1.0nm with 25um slit
- 2-Stage TEC for -30° cooling reduces noise 80% at long exposures
- UV-enhanced detector with optical lens assemblies
- Most well-rounded spectrometer
- **Interchangeable Slit Upgrade Available**



NIR Spectrometers - DWARF-Star 900-1700nm & RED-Wave 900-2500nm

- DWARF-Star includes 512-pixel and 1024-pixel options
- 7 extended range models for up to 2.5μm
- Integrated TE-cooling
- Resolving resolution down to 1nm for certain models
- For NIR portable and OEM applications

Spectrometer Systems for all applications!



Raman Spectroscopy



Chemical Analysis



Thin Film Analysis



Radiometry

Optical Metrology

Laser Induced Breakdown Spectroscopy

OES/Plasma

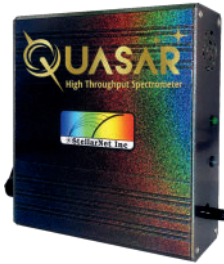


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Looking for something a little more **powerful**?
StellarNet's latest line of instruments are the ultimate
tool for those who demand the best in **performance**
and **price**.

Higher Sensitivity - Lower Noise - Higher Speeds - Cleaner Data
High-End Detector Components - New Optical Designs - Higher Throughput



New **StellarPro Software** available for Windows,
Mac, and Linux.

New 2026 StellarElite
Light Sources and Lasers



Portable & Rugged Analyzers for Industrial Applications
Light, Color, and Composition Analyzers



Pet Food



Cosmetics



Oil & Gas



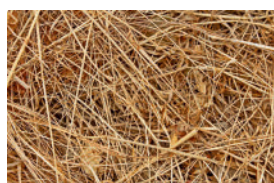
Oilseed



Meat



Nutraceutical



Forage & Feed



Dairy



Grains



Plastics