



# Technical Specification Sheet

## MINI RUGGED SPECTROMETER SYSTEMS

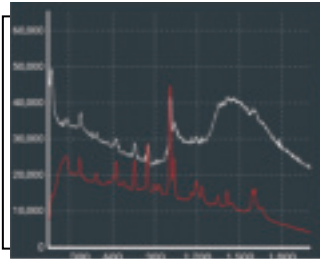
A Universe of Spectrometer Systems

### StellarRAM Handheld Raman Analyzer for Material Identification

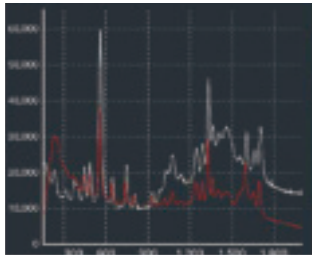
StellarNet proudly announces a new rugged handheld Raman Analyzer for material identification and composition analysis. The StellarRAM includes a handheld touchscreen with integrated Raman spectrometer system pre-configured for "Turn on & Measure" applications, with no additional setup required. With a simple press of the "Analyze" button instantaneous match results can be display on your screen.



Portable and Handheld Applications



**Narcotics ID** - Identification result: Drug-methamphetamine



**Pharma & Nutraceutical ID** - Identification result: Drug-caffeine

The systems contains a 785nm Raman laser with adjustable power and cuvette holder. Standard systems are equipped with a Raman spectrometer for a detection range of 200-2000cm<sup>-1</sup> with options for other ranges or configurations.

The StellarRAM is a fast and compact Raman Analyzer with high spectral throughput for efficient processing and identification; It can be used by non-technical users to rapidly identify samples in the lab, warehouse, medical clinic or wherever identification of unknown materials is needed.

Raman technology allows for non-contact analysis of solids, liquids and powders through transparent containers, baggies, a vials.

**StellarRAM** Handheld Analyzer can be useful for a variety of applications. Here's just a few

- **Forensics**- Illicit drugs, unknown chemicals, & explosives
- **Anti-Counterfeiting**- inks, paints, fibers, and hair
- **Food & Beverage**- Raw Material ID
- **Pharmaceutical & Nutraceutical ID**
- **SERS**- trace substance detection
- **Medical & Clinical** Detection of unknowns
- **Semiconductor**- Microstructure, Strain, Defects
- **Environment & Geological**
- **Custom & OEM Applications**- Develop your own Portable Analyzer

powered by **Zolix**

Specifications		StellarRAM Handheld Raman Analyzer	
Spectrometer:	Raman-SR	Case Dimensions:	4 x 7x 1.5 inches
Spectrometer range:	200-2000cm <sup>-1</sup>	Measurement Speed:	<5 second
Optical resolution:	12cm <sup>-1</sup>	Spectrometer Interface:	USB2 / USB2 hub
Detector type:	CMOS	Tablet Specs:	Andriod
Probe Type:	Integrated Raman Filters	Software included:	SpectraWiz Spectral-ID
Accessories:	point/shoot accessory & vial attachment	Additional Components:	Sample vials, Laser Safety Goggles, 30 SERS substrates, AC power supply & charger
Battery:	6hr lithium ion		

