

TECHNICAL SPECIFICATION SHEET

MINI RUGGED SPECTROMETER SYSTEMS

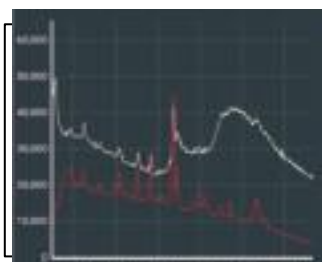
A UNIVERSE OF SPECTROMETER SYSTEMS

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⁻¹ 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 Analyzel	
Spectrometer:	Raman-SR	Case Dimensions:	4 x 7x 1.5 inches
Spectrometer range:	200-2000cm ⁻¹	Measurement Speed:	<5 second
Optical resolution:	12cm ⁻¹	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		