StellarNet Inc

Technical Specification Sheet
MINI RUGGED SPECTROMETER SYSTEMS
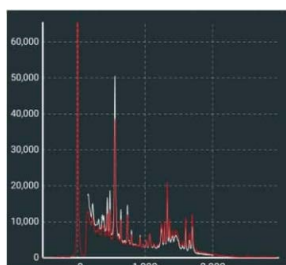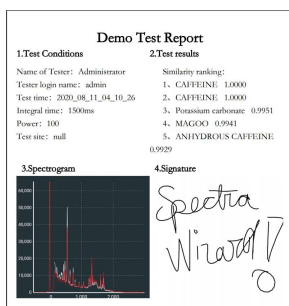**A Universe of Spectrometer Systems**

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.

PDF Reporting of Samples

Easily identify pharmaceutical, nutraceuticals, unknown chemicals, drugs and narcotics with built-in libraries.

Portable and Handheld Applications

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

Specifications	StellarRAM Handheld Raman Analyzer	
Spectrometer:	Raman-SR	Case Dimensions: 4 x 7x 1.5 inches
Spectrometer range:	200-2000cm-1	Measurement Speed: <3 second - adjustable to 30s
Optical resolution:	12cm-1	Spectrometer Interface: USB2 / USB2 hub
Detector type:	CMOS	Tablet Specs: Android
Probe Type:	Integrated Raman Filters	Software included: ID software, libraries
Accessories:	point/shoot accessory & vial attachement	Additional Components: Sample vials, Laser Safety Goggles,
Battery:	6hr lithium ion	25 SERS substrates, AC power supply & charger

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