

MICROSENSE-I SERIES

HIGH PERFORMANCE
RAMAN MICROSCOPE

The MicroSense-I Series High Performance Raman microscopy systems provide the most cost-efficient solution for microscopic Raman analysis.



The MicroSense-I system features a Leica DM300 microscope and an EZRaman-I field-portable Raman analyzer, the most cost-effective, high sensitivity field-portable Raman analyzer system. A high resolution CMOS imaging camera is used for precise positioning and viewing the sample. The MicroSense-N-785 achieves 50µm spatial resolution with a 40x objective. Each system includes a notebook computer pre-loaded with RamanReader software for operation. The available excitation laser wavelengths to choose from are: 532nm, 785nm, and 905nm.

The MicroSense-I is a powerful, versatile, robust, and affordable Raman microscopy system. It is an ideal choice for any research and industrial laboratories requiring a high performance Raman Microscopy System.

Features and Benefits

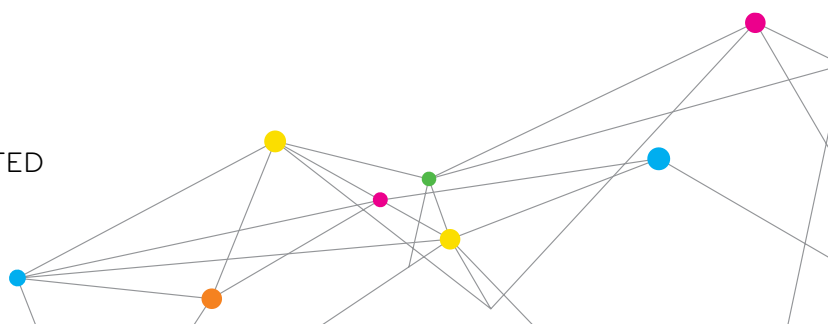
- + High-sensitivity Raman microscopy system
- + Dual-use Raman microscopy system and field-portable unit
- + Laboratory performance in a portable package
- + Fast sample times
- + Reliable and easy to use
- + User-friendly software
- + 21 CFR Part 11 compliant

Applications

- + Laboratory research
- + Industrial research



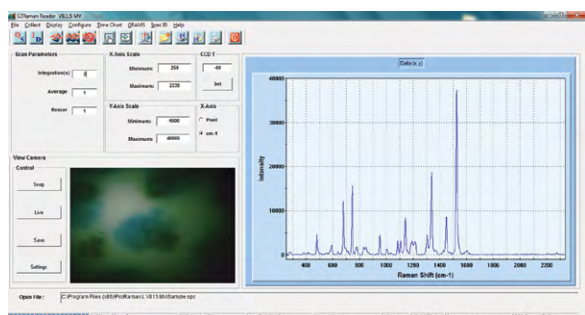
UNDERSTANDING, ACCELERATED



SPECIFICATIONS

MICROSENSE-I SERIES HIGH PERFORMANCE RAMAN MICROSCOPE

EZRaman-I Raman Spectrometer								
	785 nm Frequency Stabilized Diode Laser			532 nm DPSS Laser			905 nm Frequency Stabilized Laser	
Output Power	~400mW			~50mW,			~50mW	
Spectral Parameter Options	Model	Spectral Range	Resolution	Model	Spectral Range	Resolution	Spectral Range	Resolution
	A1	100 - 2,200 cm^{-1}	4.5 cm^{-1}	B	100 - 3,100 cm^{-1}	7 cm^{-1}	100 - 1,745 cm^{-1}	5 cm^{-1}
	A2	250 - 2,350 cm^{-1}	4.5 cm^{-1}	C	100 - 4,000 cm^{-1}	10 cm^{-1}	—	—
	B	100 - 3,300 cm^{-1}	6.5 cm^{-1}	—		—		
Shutter Control	Power adjustable from 0 to full power							
CCD	High sensitivity CCD spectrograph, CCD detector cooled to -50°C							
HRP-8 High Throughout Fiber-Optic Raman Probe	O.D. > 8 Rayleigh rejection at laser wave-length							
Working Distance	~7 mm							
Operating Temperature	10°C - 40°C with thermal shutdown protection							
MicroViewer Raman Adaptor								
MicroViewer-785/532 Raman adaptor with 1.3M pixel CMOS viewing camera and white light LED epi-illumination								
Microscope								
Leica DM300 microscope with 10x, and 40x objectives								
System Software								
RamanReader-M software system control and data collection software including micro-imaging software for sample viewing								
Power Requirements								
DC power supply (work both for 110/220V)								
Physical								
Dimensions (L x W x H)	EZRaman-I: 17" x 13" x 7"							
	Microscope: 10" x 7" x 15"							
Weight	~ 45 LBS							
System Warranty								
One year for parts and labor								



Specifications are subject to change without notice.

Appropriate safety guidelines should be followed when operating this instrument. Complies with 21 CFR 1040.10 and 1040.11

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