

MICROSENSE-L SERIES

HIGH PERFORMANCE
RAMAN MICROSCOPE

The MicroSense-L Series High Performance Raman micro-copy system provides the most cost-efficient solution for microscopic Raman analysis.



The MicroSense-L system features a Leica DM300 microscope and a high sensitivity ProRaman-L Raman analyzer. A high resolution CMOS imaging camera is used for precise positioning and viewing the sample for Raman measurements. The MicroSense-L achieves 50Microm spatial resolution with a 40x objective. Each system includes a notebook computer preloaded with RamanReader software for operation. There are four excitation laser wavelengths to choose from: 532nm, 687nm, 785nm, and 905nm.

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

Features and Benefits

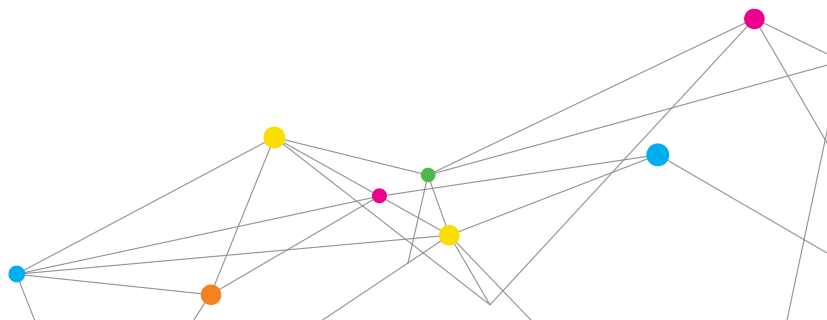
- + High-sensitivity Raman microscope system for laboratory applications
- + High-performance/cost ratio of any Raman instrument
- + Best signal to noise characterization of any laboratory Raman instrument
- + Reliable and easy to use
- + User-friendly software
- + 21 CFR Part 11 compliant

Applications

- + Laboratory research
- + Industrial research



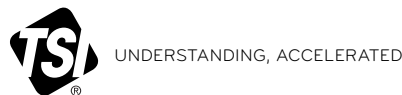
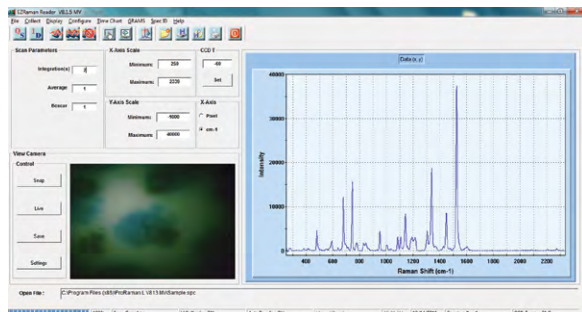
UNDERSTANDING, ACCELERATED



SPECIFICATIONS

MICROSENSE-L SERIES HIGH PERFORMANCE RAMAN MICROSCOPE

ProRaman-L 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}	6 cm^{-1}	B	100 - 3,100 cm^{-1}	7 cm^{-1}	150 - 2,000 cm^{-1}	5 cm^{-1}
	A2	250 - 2,350 cm^{-1}	6 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 -60°C							
HRP-8 High Throughout Fiber-Optic Raman Probe	O.D. > 8 Rayleigh rejection at laser wavelength							
Working Distance	~7 mm (standard), 3mm or 10 mm (optional)							
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 (optional Olympus 20x and 50x objective available)								
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)	ProRaman-L: 5.9" x 9.8" x 11.8"							
	Microscope: 10" x 7" x 15"							
Weight	~ 45 LBS							
System Warranty								
One year for parts and labor								



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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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