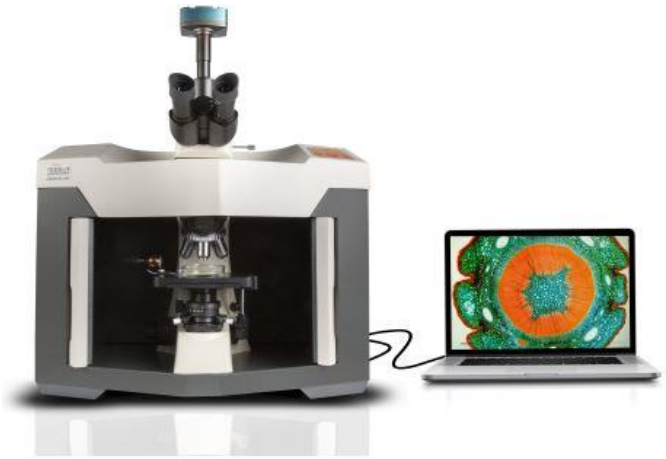
Raman Microscope (Apus - 532 nm Excitation)

Maximum Detail, Resolution and Rang

Full option and user-friendly computer program



Application Areas

- Materials Engineering
- Food & Beverage Quality Control
- Chemistry
- Pharmaceutic
- Biology
- Physics
- Protein & Nucleic Acid Analysis
- Volcanology
- Color Analysis
- Environments
- Nanotechnology
- Polymers
- Agriculture

Raman spectrum contains the information on material identity (e.g. characteristic Raman bands), material composition (e.g. peak intensity or multivariate analysis scores), molecular structure or strain (e.g. peak position), crystallinity or phase (e.g. peak width), and more. Teksan Scientific's Lab Spec spectroscopy suite offers comprehensive functionality including multivariate analysis (MVA) to distill this information from the spectral data into scientifically meaningful images. Raman is an ideal technique for research and industry offering high quality data, reliability, versatility and improved value for money over other analytical techniques. Benefits not only include the range of samples that are suitable for analysis, but also the information content that is provided.

- Fastest Sampling
- Automated laser Power switching with just a single mouse click
- Large range of options
- All modes of microscopy, transmission and reflection illumination
- Spectrum online Processing
- Laser Light Polarization control
- Extended Spectrum acquires
- Extended Range of Raman shift for variety of samples

Teksan Co.

Light Spectroscopy Instruments

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Features and Specifications

Laser	Type	DPSS Nd:YAG (cw)
	Wavelength	532 nm
	Laser Power (mW)	50
	Power Control	No
Detector	Type	Toshiba
	Cooling	No
	Signal-to-Noise Ratio	300:1
	Integration Time	15 ms – 10 min
Resolution & Range	Spatial Resolution on Samples (um)	≈24
	Spectral Resolution (cm^{-1})	10
	Spectral Range (cm^{-1})	150 - 4000
Microscope	Type	Upright
	Objectives	4x, 10x, 40x, 60x
	Stage Movement Range (mm)	79 (X) x 52 (Y) x 22 (Z)
	Stage Size (mm)	175 (X) x 143 (Y)
Sample Watching ability	Transparent Samples	With All Objectives
	Opaque Samples	Only With 4x & 10x
Light Source		Down
Box Lamp		No
Membrane Indicator		No
Power Requirements		200 – 240 V AC, 50/60 Hz, Single Phase
Chamber	Weight (kg)	≈ 25
	Size (WxHxD)	57.5 cm x 45 cm(without eyepiece) x 59.5 cm

SERVICES AVAILABLE

Technical Support

Installation and Setup

Maintenance

Application Support

Hardware Support

Guaranteed Warranty

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