

miniRaman and RG for field Operators and Trace detection



miniRaman Operator – Spectrometer

Handheld spectrometer for chemical identification and field operation

- Compact – fits in pocket or belt holder
- One-button operation, instant start-up
- Auto-calibration with every measurement
- Rugged: IP67 & military-grade drop tested
- Cost-effective & field-proven
- Large Spectral Library



miniRaman Operator – Microscope

The world's smallest confocal Raman microscope for trace detection

- Modular microscope for trace detection
- Detects trace particles with high resolution
- Portable: lightweight (4 kg)
- Affordable excellence



Research Grade Operator – RG Spectrometer

Compact research-grade Raman spectrometer for advanced chemical analysis

- High sensitivity & low detection limits
- Portable field solution
- Range of customization options
- Rugged: IP67 & military-grade drop tested
- Large Spectral Library

Customer Segmentation



Law Enforcement Officers



First Responders



Customs Agents



Military CBRNe Units

Applications



Explosives



Precursors



Toxic Industrial Chemicals



Chemical Weapons



Illegal Drugs

Extra Features

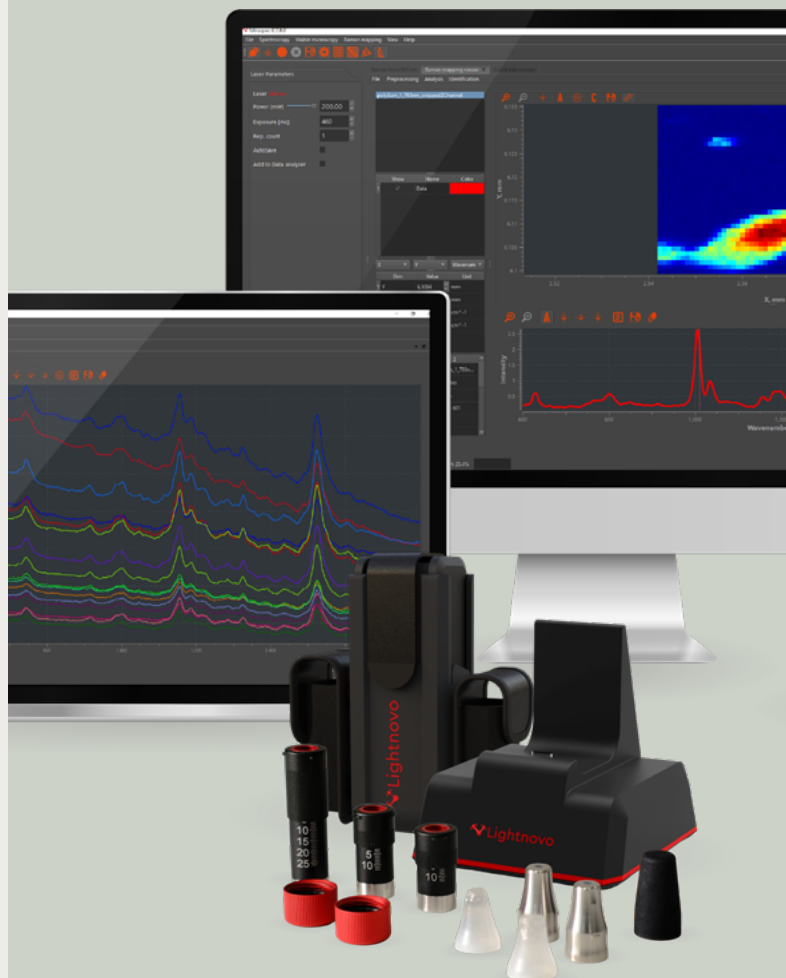
- Wide spectral libraries & compliant software
- Compatible with accessories (probes, vial/sample holders, objectives, docking station)
- White light microscopy with laser spot visualization (mRm)
- Power bank operation

Software – MIRASPEC

- Works on PC (Win 10/11) & smartphone (Android)
- Smart analysis tools: spectral correction, PCA, PLS calibration, machine learning classifiers
- Chemical mapping & advanced visualization
- Easy reporting & library creation

Use Cases

- Tablets & powders – direct, non-invasive testing
- Hazardous liquids – safe analysis through containers
- Trace detection – explosive residues, illicit substances



Raman for all: democratize the power of high-end Raman spectroscopy for the benefit of mankind

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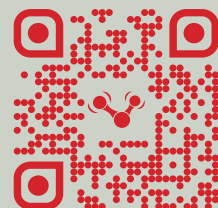
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