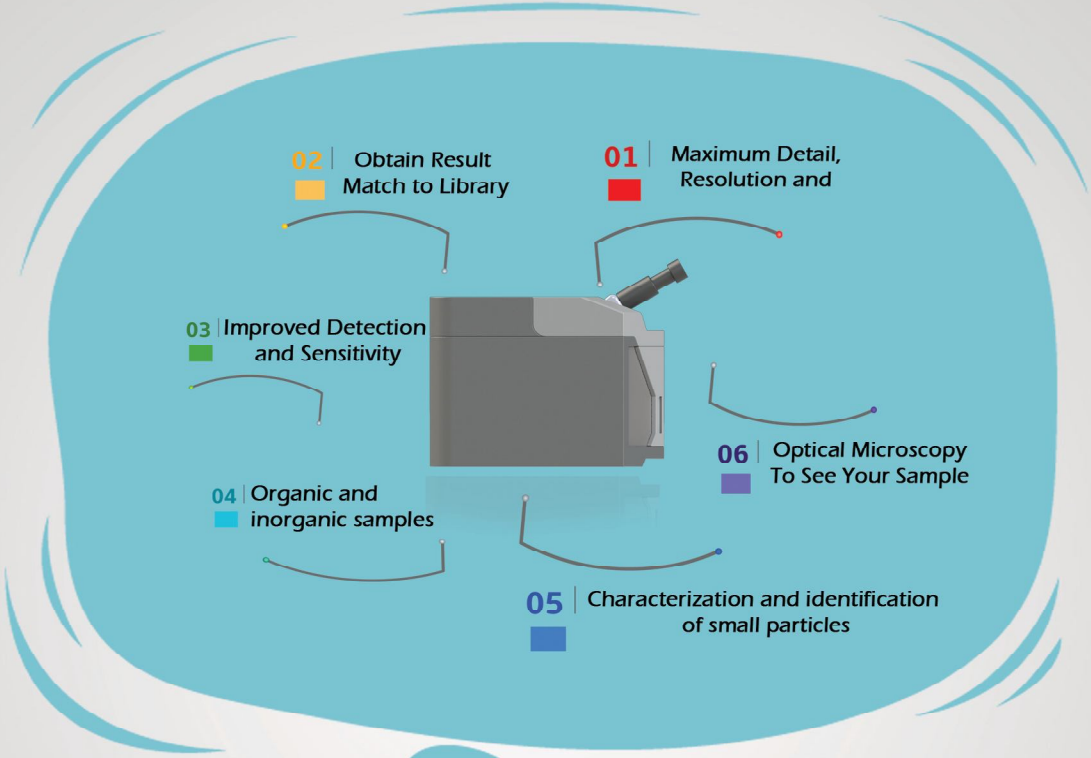
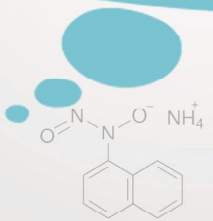
TakRam Raman microscope

Focus on your project or problem, not your instrumentation





Have a question?
Having a technical issue?

Our Application Scientists will assist you.

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Takfamsazan co

SPECTROMETERS | RAMAN MICROSCOPE

SPECTROMETERS

RAMAN MICROSCOPE

The Taknegar spectrometer provides a significant advantage in acquisition time and spatial integrity in demanding Raman spectroscopy imaging applications.

Applications

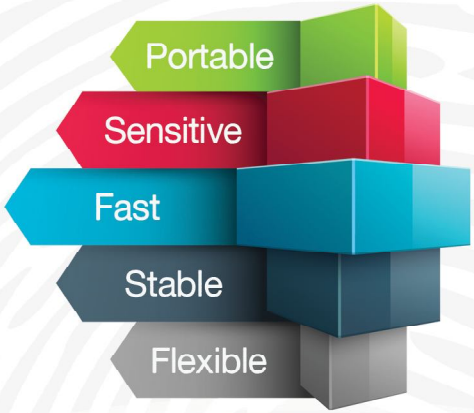
- ☑ Nanotechnology
- ☑ Geological
- ☑ Pharmaceuticals
- ☑ Polymers
- ☑ Forensics

Models

- C25R10
- C0R10
- C25R20
- C0R20

Applications

- Transmittance & Reflection
- Raman
- Fluorescence
- Luminescence
- Near IR
- Absorbance
- LIBS



Optimizing the TakNegar Spectrometers for Your Application

02 | Detector Type
Linear CCD Array
3648 Pixel

01 | Design
Czerny-Turner

03 | Wavelength range
200 – 3300 cm-1

05 | Slit
25 µm wide

04 | Spectral resolution
10-20 cm-1

Specifications

PHYSICAL		
Dimensions: (L x W x H)	50 x 50 x 60 cm	
Weight	35 kg	
Laser		
Type	DPSS Nd:YAG	
Wavelength	532 nm	
Output power	= 100 mW	
DETECTOR		
Type	Linear CCD Array -3648 Pixel	
Thermoelectric cooling	P50C40R10	Up to -15°
	P50C25R10, P50C25R20	Up to 0°
	P50C0R10, P50C0R20	No cooling
SPECTROSCOPIC		
Design	Czerny-Turner	
Wavelength range	200 – 3300 cm^{-1}	
Slit	25 µm wide	
Spectral resolution	P50C40R10,P50C25R10,P50C0R10	10 cm^{-1}
	P50C25R20, P50C0R20	20 cm^{-1}

Sample Formats

Powders in plastic packages

- Liquids in clear and brown glass bottles
- Powders, liquids, slurries in multi-well plates
- Samples in tubes, vials, cuvettes
- Tablets
- Samples in blister-packs