

WP 532 EXR Raman Spectrometer Series

When efficiency matters most



FEATURES AND BENEFITS

100 - 5000 cm^{-1} Raman range

Superior sensitivity, compact size

Robust optical design for stable, reproducible Raman spectra

Easy to use Raman software & SDKs

Ideal for creating a probe-based, modular Raman system

Configurable for your specific sample and needs

Broadband spectra for rapid analysis and ID of inorganic materials & gases

532 nm Raman offers high signal and low fluorescence for inorganic materials and gases, with extended range providing access to all functional group bands. Our proprietary high-NA design was created specifically for the needs of Raman users like you. It captures more light from your sample, guiding it through optimized optics and our own patented high-efficiency VPH transmission gratings to deliver more sensitivity, less noise, and faster measurements than you'd ever expect from a compact spectrometer. It's built with rock-solid mechanics to give you the reproducibility, stability, and durability you need. It's run by Raman-ready software and SDKs that make spectral acquisition easy. That leaves only one question - which model is right for you? Let's explore that answer together.

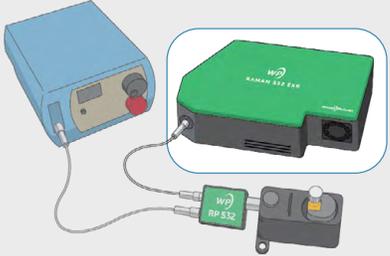
**Need advice or testing for your Raman application?
Contact us to get started!**

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STANDARD PRODUCT SPECIFICATIONS & OPTIONS

We believe Raman should be sensitive, robust, and reproducible, and its format should fit the unique requirements of your application. That's why we offer multiple configuration options that adapt to your needs, from choice of slit size and spectrometer input to detector cooling. Whether you're new to Raman or an experienced user, our experts can advise on the best value for you, and provide the data & testing to back it up.

PARAMETER		VALUE(S)	SYSTEM CONFIGURATION
SPECTROMETER	Measurement Range (cm ⁻¹)		100 - 5000 cm ⁻¹ (-R)
			100 - 4450 cm ⁻¹ (-C)
	Resolution	25 μm slit	11 cm ⁻¹
	Spectrometer f/#		f/1.3
	Spectrometer input		SMA 905 (lens or FC/PC optional)
	Detector cooling options (see table below for details)		TEC-regulated, 10°C (-R) TEC-cooled, -15°C (-C)



* Start and end wavenumber may be customized, but total range is fixed. Contact us for options.

DETECTOR OPTIONS		TEC-regulated (-R)	TEC-cooled (-C)
	Detector Temperature	10°C ± 0.2°C	-15°C ± 0.1°C
	# of Pixels	2048	1024
	Integration Time	3 ms - 60 s	8 ms - 60 s
	Communications	ENLIGHTEN™ desktop software & SDKs included; data transfer via USB 2.0	

Explore related products:

- Battling fluorescence background? Our [WP 785-ER spectrometer](#) may improve your signal to noise
- Need a smaller footprint and less range? Consider our [WP 532 spectrometer](#) (125 - 3200 cm⁻¹)
- [User-configurable probes](#) with interchangeable tip give you control over focal length
- Complete your system with a high-stability [532 nm laser](#)