

WP 532 Raman Spectrometer Series

When efficiency matters most



FEATURES AND BENEFITS

150 - 3200 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

Superior signal to noise for rapid analysis and ID of inorganic materials

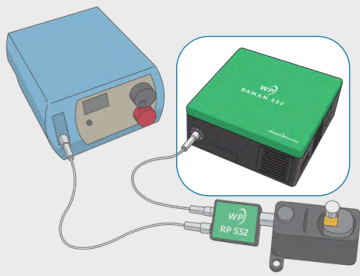
532 nm Raman offers high signal and low fluorescence for samples like carbon nanomaterials, semiconductors, metal oxides, minerals & gemstones. Our proprietary high-NA design was created specifically for the needs of Raman users like you. It captures more light from your sample, guiding it through optimized 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*	150 - 3200 cm^{-1} (A,R)	150 - 2600 cm^{-1} (C)	WP-532-SR-IC FULLY MODULAR
	Resolution	15 μm slit	7 cm^{-1}	
		25 μm slit	9 cm^{-1}	
		50 μm slit	14 cm^{-1}	
	Spectrometer f/#	f/1.3		
	Spectrometer input	SMA 905 (lens or FC/PC optional)		
Detector cooling options (see table below for details)	Uncooled/ambient (-A) TEC-regulated, 10°C (-R) TEC-Cooled (C)			

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

DETECTOR OPTIONS		Uncooled (-A)	TEC-regulated (-R)	TEC-cooled (-C)
	Detector Temperature	Ambient	10°C	-15°C
	# of Pixels	1024	1024	1024
	Integration Time	3 ms - 60 s	3 ms - 60 s	25 ms - 60 s
	Communications	ENLIGHTEN™ desktop software & SDKs included; data transfer via USB 2.0		

Explore related products:

- Battling fluorescence background? Our [WP 405 spectrometer](#) may improve your signal to noise
- Need spectral coverage beyond 3200 cm^{-1} ? Consider our extended range [WP 532 EXR spectrometer](#)
- [User-configurable probes](#) with interchangeable tip give you control over focal length
- Complete your system with a high-stability [532 nm laser](#)