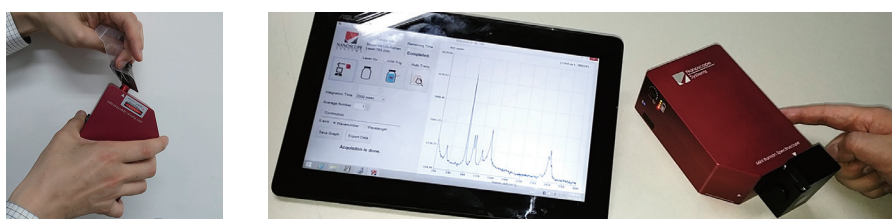


# NS100 series Handheld-size Raman spectrometer

NS100 series are palm-size fully-integrated Raman spectrometer modules which can be conveniently interfaced with other systems. USB interface or wireless Bluetooth interface with any computer will expand its application area. It will work as the best test platform at the development stage of field application of Raman technology. More customization is available.



Operation powered by battery and wireless interface extends its field application.



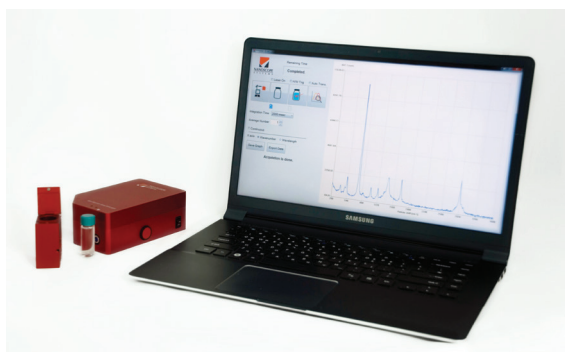
Quick and convenient measurement with vial holder



Compact frame for laboratory use

## Features & Benefits

- Compact Raman spectrometer
- Operation with laptop computer (USB interface, Bluetooth)
- Convenient magnetic vial holder
- Analysis of detected signal with library database
- Easy and intuitive operation & analysis software
- Signal acquisition with higher sensitivity than normal handheld types
- User's own library management software
- One click analysis report



Full operation by wireless interface with laptop computer

## Specifications

Model	NS100	NS120
Laser Wavelength	785 nm ± 1 nm	633 nm ± 1 nm
Spectrum Range	200 cm <sup>-1</sup> ~ 3600 cm <sup>-1</sup>	
Spectral Resolution	≤ 10cm <sup>-1</sup>	
Laser Output Power	80 mW	40 mW
Collection Optics	NA 0.3 / WD 8 mm	
Exposure	Min : 5 msec ~ Max : 65 sec	
External Power	USB power, Battery	
Weight	~1 kg	
Size	130 x 85 x 50 mm <sup>3</sup>	
I/O (Interface)	USB 2.0, Bluetooth	
Software	NSRamanID	
Data Formats	.txt, .csv	
Library	Default 200 materials Ready to build user's own library Optional more than 12,000 materials	
Measurement Accessories	Vial holder, Tabletop frame	
Display	By laptop computer	
Compliance	CE, KC, FDA 21 CFR part 11	

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# NS-Raman

## RAMAN SPECTROMETER & ANALYZER

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- NS200 series** single laser micro Raman spectrometer  
**NS100 series** handheld-size Raman spectrometer  
**Ramcheck-A1** for reading SERS strip  
**SERSpace** SERS substrate amplifying Raman signal