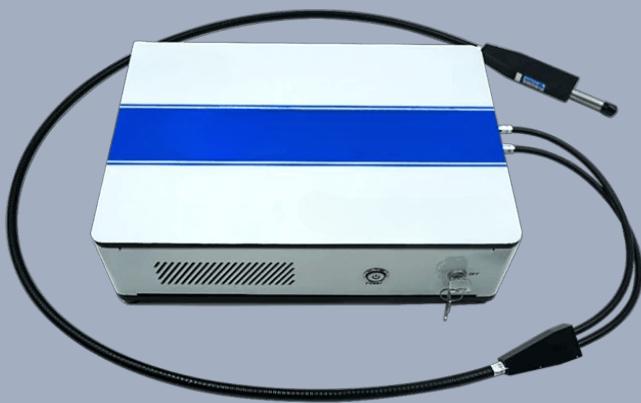


Raman Systems

Raman Pocket Spectrometer

Focus on professional testing in multiple fields and fill the gap in on-site high-precision testing

- Deep refrigeration technology enables high detection performance
- Highly integrated, portable and easy to use
- Multi-wavelength coverage, suitable for a wide range of scenarios
- High stability and durability



One Platform Many Possibilities

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Overview

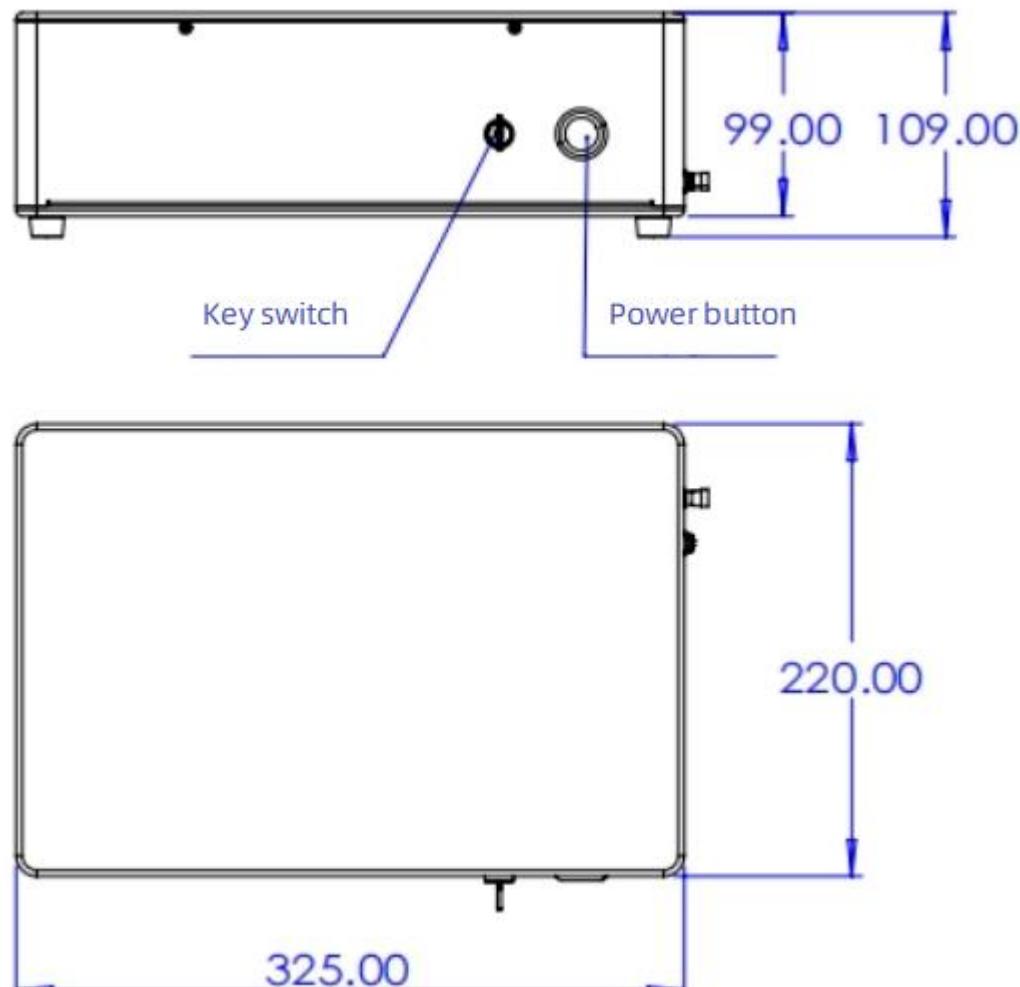
Introduction:

The VenRamPort Series Deep-Cooling Raman Pocket Spectrometer are four professional testing devices launched by Venuslab, with models corresponding to excitation wavelengths of 532nm, 633nm, 785nm, and 1064nm respectively. All models are equipped with a deep cooling function, and their core configurations include wavelength-adapted lasers (e.g., the linewidth of the 532nm laser is <math><0.1\text{nm}</math>, and the linewidth of the 1064nm laser is

Features:

- Highly integrated, flexible in application, lightweight, portable and easy to carry
- High stability, with good spectral response stability
- High resolution

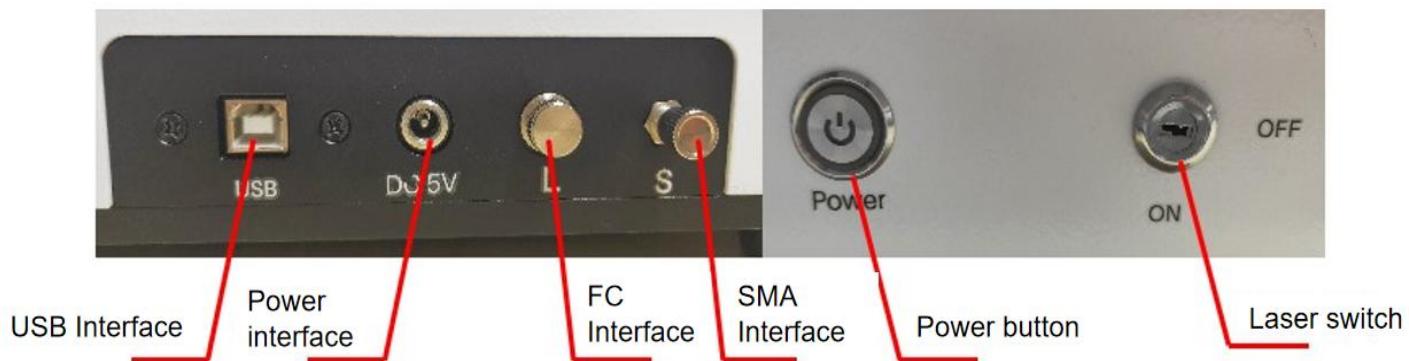
Dimension:



Specifications

Parameter	Raman532 Pocket Spectrometer	Raman633 Pocket Spectrometer	Raman785 Pocket Spectrometer	Raman1064 Pocket Spectrometer
Dark Noise	<3 RMS	<3 RMS	<3 RMS	~10 RMS
Laser Power	Adjustable 0-100 mW	Adjustable 0-30 mW	Adjustable 0-500 mW	Adjustable 0-500 mW
Laser Lifetime	5000 hrs	10000 hrs	10000 hrs	10000 hrs
Weight & Dimension	4.4 kg; 325x220x99 mm	4.4 kg; 325x220x99 mm	4.4 kg; 325x220x99 mm	4.4 kg; 325x220x99 mm

Interface Definition



Explore Series

Model	Cryogenic Temperature	Spectral Resolution	Spectral Region	Excitation Wavelength
VLPocket 532	-25°C	~8 cm ⁻¹	200-3000 cm ⁻¹	532±0.5 nm, line width < 0.1 nm
VLPocket 633	-25°C	~8 cm ⁻¹	200-3200 cm ⁻¹	633±0.5 nm, line width 0.1 nm
VLPocket 785	-25°C	~8 cm ⁻¹ (std) / ~3.5 cm ⁻¹ (custom)	200-3000 cm ⁻¹ (opt. 200-2000 cm ⁻¹)	785±0.5 nm, line width 0.08 nm
VLPocket 1064	-20°C	~15 cm ⁻¹ (@25µm slit)	200-2500 cm ⁻¹	1064±0.5 nm, line width 0.1 nm

📧 Get in touch with our team to explore configurations, request a quote, or learn more about customized solutions tailored to your needs.

Let us help you move science forward—faster and smarter.

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