

Raman Systems

VenusLab R532 Raman Probe

Standardized Raman detection accessories compatible with 532nm lasers

- Precise wavelength adaptation
- Flexible structural design
- Strong environmental adaptability with a wide temperature and humidity range
- High operational reliability and convenient maintenance



One Platform Many Possibilities

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Overview

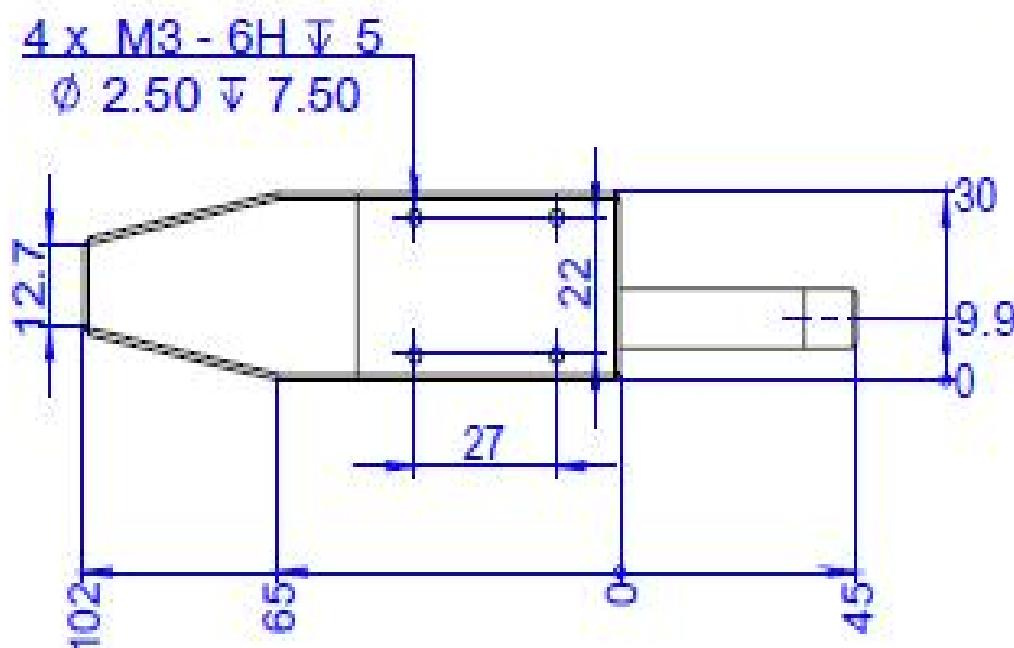
Product Introduction of VenusLab R532 Raman Probe :

The VenusLab R532 Raman Probe is a standardized accessory specifically designed for 532nm lasers. Its core applicable spectral range is 200cm⁻¹ ~ 4000cm⁻¹, which can effectively filter out stray light and has the ability to collect signals quickly and accurately. This probe is compatible with samples in various forms such as solids and liquids, and is widely used in scientific research experiments and industrial non-destructive testing scenarios. In addition, it supports flexible customization and has excellent cost performance.

Features of VenusLab R532 Raman Probe:

- Raman spectrum: 150 cm⁻¹ - 4000 cm⁻¹
- Effectively filter Rayleigh signal, cut-off depth >OD8
- Product assembly process to ensure consistency
- Consistency of initial beam: Start < 150 cm⁻¹

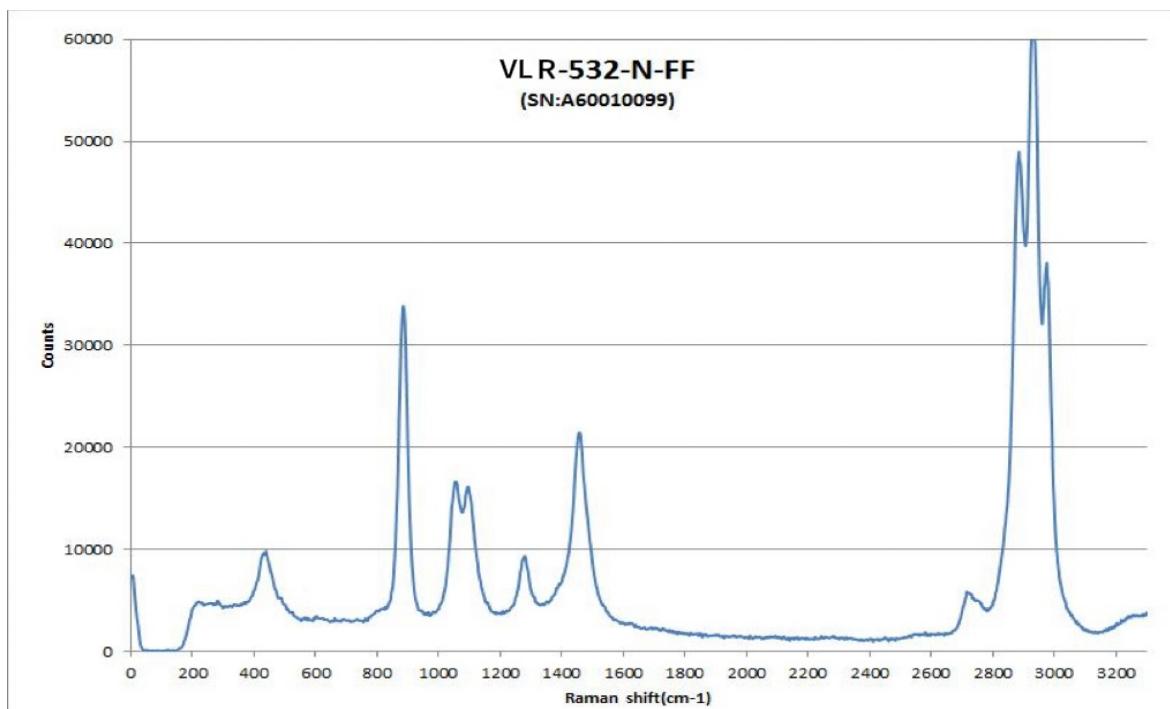
Dimension Drawing:



Specifications

Specification Parameter	Same Parameter Value
Laser Wavelength	532nm
Emission Spectral Range	150 cm ⁻¹ - 4000 cm ⁻¹
Probe Working Distance	7.5mm (customizable)
Probe Output Coupling Efficiency	80%
Operating Temperature	Probe body: -20°C - 80°C
Operating Humidity	5% - 80%

Spectrum chart



- Integration time: 300ms
- laser power: 50mW
- The test sample was analytical pure ethanol placed in a 12.5mmx 12.5x45mm colorimetric dish

Explore Series

Model	Probe Output Coupling Efficiency	Probe Working Distance	Laser Wavel ength	Front Probe Rod Length	Combiner Armor	Emission Spectrum Range	Fiber Length (Combiner Section)	Fiber Length (Splitter Section)
VL R-532-1.5-FS	-	-	-	45 mm	8.5mm plastic-coated double-lock metal tube, withstanding 50N tension	-	115cm±5cm	30cm±5cm
VL R-532 Et probe	-	-	-	45 mm	8.5mm plastic-coated double-lock metal tube, withstanding 50N tension	-	115cm±5cm	30cm±5cm
VL R-532L-1.5-FS	-	-	-	45 mm	8.5mm plastic-coated double-lock metal tube, withstanding 50N tension	-	115cm±5cm	30cm±5cm
VL R-532-N-F	80%	7.5mm (customizable)	532nm	-	-	150cm-1 - 4000cm-1	-	-

 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 moves cience forward—faster ands marter.

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