

RL-RP Series Raman Probe



RealLight's self-developed Raman Probes, featuring excellent coupling efficiency, wide spectral range and good stability, can be used for laboratory applications, field measurements, etc. Manual safety shutter, different fiber connectors or probes with different working distance are available according to the demands, to effectively complete the measurement of liquids and solids. The RL-RP Series raman probes are compatible with RealLight's NLMO Series and NLM Series lasers.

Key Features

- ◆ High sensitivity
- ◆ Compact design
- ◆ Low loss
- ◆ O.D.>6
- ◆ Multiple wavelengths available

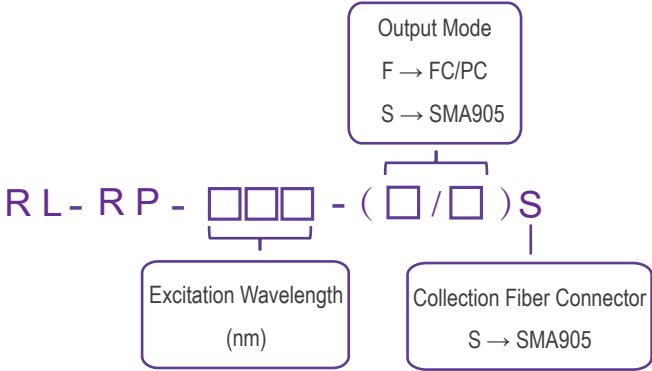
Standard Wavelength

- ◆ 532nm
- ◆ 785nm
- ◆ 830nm
- ◆ 1064nm

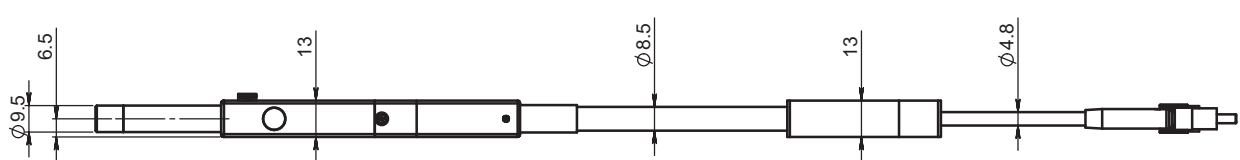
Technical Specifications

Part No.	RL-RP-532-(F/S)S	RL-RP-785-(F/S)S	RL-RP-830-(F/S)S	RL-RP-1064-(F/S)S
Center Wavelength (nm)	532	785	830	1064
Spectral Range (cm ⁻¹)	176-4000	176-3500	176-2800	200-3000
Operation Mode	Fiber pigtailed			
Probe Dimensions (mm)	107x30x13			
Filter Efficiency	OD6			
Working Distance (mm)	7.5			
Excitation Fiber	Fiber core: 105μm, NA 0.22; SMA905 or FC/PC			
Collection Fiber	Fiber core: 200μm, NA 0.22; SMA905			
Fiber Length (cm)	(100+30)±0.2			
Working Temperature (°C)	10-30			
Working Humidity	0-75%RH			

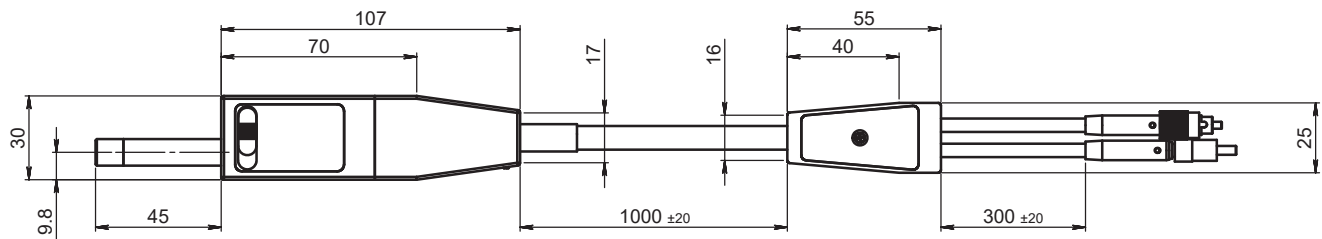
Part Numbering Schema



Mechanical Drawings (mm)



Side View



Top View