

785nm 1064nm Raman Probe For Automated Sampler In Continuous Flow Reaction Systems

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Model Number: PR100
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: International Shipping Package
- Delivery Time: 60-80 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 100PCS per 60-80 working days



Product Specification

- Spectral Acquisition Time: 1 Second
- Probe Tube Material: 304 Stainless Steel
- Model: RP-100
- Fiber Type: Single Mode
- Fiber Optic Cable Length: 1.5 M
- Storage Temperature: -20-60 °C
- Power Supply: AC/DC Adapter
- Highlight: SS304 Raman Probe, SS304 raman spectroscopy probe, Single Mode fiber optic raman probe



More Images



Product Description

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Customizable Raman Probe for Systems Analysis

The Raman Probe features three excitation wavelengths (532 nm, 785 nm, and 1064 nm) for versatile applications. Designed for seamless integration with flow cells and existing equipment. Our durable probes offer extensive customization options for interface, length, and material to meet specific monitoring requirements, ensuring optimal performance and data accuracy.

Product Models and Technical Parameters

	PR100	PR200	PR201	PR202	PR300
Type	Optical Probe	LAB Immersion Probe	LAB Immersion Probe	LAB Immersion Probe	Industrial Immersion Probe
Probe Tube Material	304 stainless steel	C276 alloy, 304 stainless steel, 316L stainless steel, Monel alloy, or TA2 optional	316L stainless steel, resistant to SIP/CIP sterilization	C276 alloy, 304 stainless steel, 316L stainless steel, Monel alloy, or TA2 optional	
Outer Diameter	10mm	10mm	16mm	12mm	60mm
Probe Tube Length	80mm	350 mm (customizable 100-350 mm)	270 mm (customizable 100-1000 mm)	120 mm (customizable 120-320 mm)	1.9 m (customizable 1-3 m)
Spectral Range	200-3900 cm ⁻¹ (532/785 nm) or 230-3100 cm ⁻¹ (1064 nm)				
Temperature Range	0-100°C	-40-200°C	-40-150°C	-30-200°C	-60-200°C
Maximum Pressure	Ambient	30 MPa	30 MPa	1 MPa	30 MPa

Technical Highlights

- Multiple material options for high temperature, pressure, and corrosive environments
- Compatible with various pipeline specifications through customizable interfaces
- Optimized optical design for maximum collection efficiency and Raman intensity
- Secure sealing and easy connection system

Applications

The JINSP PR100 Raman Probe is a versatile instrument for industrial applications, featuring high collection efficiency for routine measurements of liquids and solids. Suitable for industrial Ethernet communication, digital sensors, and field instruments with an operating range of 0-100°C.

PR200/PR201/PR202 immersion probes enable in situ process analysis in laboratory research, with flexible installation in various reaction vessels. Special versions reduce optical interference from solid components in suspensions/semi-solids. PR200/PR201 offer corrosion resistance for extreme chemical environments, while PR202 is designed for biological processes with sterilization capability.

The PR300 industrial immersion probe withstands extreme temperatures and pressures, featuring flange connections for kettle-type reactions and customizable pressure-resistant designs.

Support and Services

Installation, setup, and calibration assistance

Troubleshooting and diagnostic support

Maintenance and cleaning recommendations

Software updates and upgrades

Product training and technical consultation

Frequently Asked Questions

What is the minimum order quantity?

Minimum order quantity is 1 unit.

What is the price?

Pricing is negotiable based on configuration.

What payment methods are accepted?

We accept T/T and Western Union payments.

What is the delivery time?

Standard delivery takes 40-70 working days.

Where is the product manufactured?

All Raman Probes are designed and manufactured in China.



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