

## 785nm Excitation Wavelength Fiber Optic Raman Probe 10mm Outer Diameter

Our Product Introduction

for more products please visit us on [spectralanalyser.com](http://spectralanalyser.com)

### Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Model Number: PR100
- Minimum Order Quantity: 5
- Price: Negotiable
- Packaging Details: Carton Packing
- Delivery Time: 30-50 WORKING DAYS
- Payment Terms: T/T, Western Union
- Supply Ability: 50PCS/MONTH



### Product Specification

- Probe Tube Material: 304 Stainless Steel
- Temperature Range: 0 ~ 100 °C
- Name: PR100 Raman Probe
- Wavelengths: 532 Nm, 785 Nm, And 1064 Nm
- Sampling Time: 1 Second
- Software: Raman Analysis Software
- Excitation Wavelength: 785 Nm
- Model: RP-100
- Highlight: **Fiber Optic Raman Probe 10mm Diameter ,  
785nm Fiber Optic Raman Probe ,  
785nm raman spectroscopy probe**

## Product Description

### Raman Probe for Automated Sampler in Continuous Flow Reaction Systems

PR100 Raman probe is a conventional laboratory Raman offline detection probe which can be used for three excitation wavelengths: 532 nm, 785 nm, and 1064 nm. The probe is compact and lightweight, suitable for routine measurements of liquids and solids in conjunction with a sample chamber.

The PR200/PR201/PR202 immersion probes are suitable for monitoring small-scale reactions in the laboratory. They can be directly inserted into reaction flasks or laboratory-scale reactors for in-situ monitoring of the reaction process. An optimized version for detecting suspension/stirred solutions is available, effectively reducing interference in liquid signal detection.

## Introduction

### I PR100

PR100 Raman probe is a conventional laboratory Raman offline detection probe which can be used for three excitation wavelengths: 532 nm, 785 nm, and 1064 nm. The probe is compact and lightweight, suitable for routine measurements of liquids and solids in conjunction with a sample chamber. It can also be used with a microscope for Raman micro-spectroscopy. PR100 can be combined with a flow cell and a side-view reactor for online reaction monitoring.



No	Item	Description
1	Model Name	<b>PR100 optical probe</b>
2	Probe tube material	304 stainless steel
3	Outer diameter	10 mm
4	Probe tube length	80 mm
5	Fiber optic cable	1.3 m PVC jacketed as standard, 3 m or 5 m length are optional
6	Corrosion resistance	Fiber optic cable

### Technical Highlights

- High collection efficiency: special optical design ensures high collection efficiency;
  - Environmental adaptability: withstands high and low temperatures, high-pressure, and is suitable to harsh and extreme reaction conditions;
  - Flexible customization: The interface, length, and material can be customized according to monitoring needs;
- The FC100/FC200 flow cell is compatible with the PR100 Raman probe, connected in the reaction pipeline. When liquid materials flow through the flow cell, spectrum signal acquisition can be completed within seconds. It is suitable for continuous flow reaction systems or kettle-type reactions with an automated sampler, enabling online monitoring.

# Optical probe technical highlights



## *High collection efficiency*

special optical design ensures high collection efficiency;



## *Environmental adaptability*

withstands high and low temperatures, high-pressure, and is suitable to harsh and extreme reaction conditions



## *Flexible customization*

The interface, length, and material can be customized according to monitoring needs.

FC300 is suitable for online reaction monitoring in large-scale production. The flange connection method is suitable for pipeline reactors or continuous flow reactors. Flange size can be customized according to requirements.

## **I FC100/FC200**

The FC100/FC200 flow cell is compatible with the PR100 Raman probe, connected in the reaction pipeline. When liquid materials flow through the flow cell, spectrum signal acquisition can be completed within seconds. It is suitable for continuous flow reaction systems or kettle-type reactions with an automated sampler, enabling online monitoring.



# Company Profile



# Certifications



## FAQ

Q1: This is the first time I use, is it easy to operate?

A1: We will send you manual and guide video in English, it can teach you how to operate the spectrometer.

Also our technicians will offer professional technical operation meetings.

**Q2:Can you offer a operation training?**

A2:Your technicians can come to our factory for a training. Jinsp engineers can go to your place for local support( installation , training, debugging, maintenance ).

**Q3:How to receive a best price in the shortest time?**

A3:When you send us an inquiry,please kindly offer details with wavelength,detector,effective pixels,focal length and so on.We will send you quotation with details soon to your email.

**Q4:If the spectrometer has problem in my place,how could I do?**

A4:The spectrometer has one year warranty.If it breaks down,our technician will figure out what the problem maybe, according to client's feedback.We can repair for free within one year warranty.

**Q5:Which payment can be acceptable ?**

A5:We could accept the payment by T/T, Paypal, Western Union,L/C, etc.



JINSP

**JINSP Company Ltd.**



8618620854039



phoebeyu@jinsptech.com



spectralanalyser.com

21st Floor, Building D, Tsinghua Tongfang Science and Technology Plaza, Haidian District, Beijing China