

# Immersion Fiber Probe

## SIM-6122 Series

The SIM-6122 series immersion fiber optic probes feature a Y-shaped fiber structure, with customizable core diameter, fiber count, length, and connector type based on actual requirements. The probe tip is equipped with a specially designed reflector head, functioning as a miniature cuvette for real-time liquid sampling.

This series of probes is typically paired with spectrometers and light sources, commonly used for real-time absorbance measurement in applications such as water quality monitoring or biochemical online detection.



### Features

- A variety of reflection heads with different optical paths are available for selection.
- The core diameter, length, core quantity, and connector type of the optical fiber can all be customized.

### Applications

- Online Monitoring of Water Quality
- Online Monitoring of Biochemical

### Specifications

Model	SIM-6122-0615	SIM-6122-0620
Core Diameter	600 $\mu$ m	
Core Quantity	2	
Material	Ultraviolet-resistant quartz optical fiber	
Transmission Wavelength Range	200-1100nm	
Combining End L1	0.75m	1m
Splitting End L2	0.75m	1m
Operating Temperature	-30~150 °C	
Reflection Head (optional)	SIM-6122-H02, liquid thickness 2mm, Optical path 4mm SIM-6122-H05, liquid thickness 5mm, Optical path 10mm SIM-6122-H10, liquid thickness 10mm, Optical path 20mm	