

# Raman Probes

## Fiber Optic Probes for Raman Spectroscopy

We offer a number of fiber optic probes that are built specifically for Raman spectroscopy. The RIP-Series probes from InPhotonics provide optical filtering of the Rayleigh line and high-signal collection in a compact, rugged design.

Compatible with Ocean Optics Raman systems, these probes are suitable for laboratory, industrial and environmental applications and are available for several excitation wavelengths.



### General Purpose

| Item Code      | Description   | Dimensions                          |
|----------------|---|-------------------------------------|
| RIP-785-0-26   | Raman Probe for 785 nm laser  | 0.26 cm                             |
| RIP-RPB-532    | Laboratory probe for use with lasers up to 3 nm from specified operating wavelength | 114 x 38 x 12.7 cm, 1.5-meter fiber |
| RIP-RPB-532-FC | Raman coupled fiber probe for 532 nm with FC connector                              | 114 x 38 x 12.7 cm, 1.5-meter fiber |
| RIP-RPB-785-FC | Raman coupled fiber probe for 785 nm with FC connector 7.5 mm OD                    | 114 x 38 x 12.7 cm, 1.5-meter fiber |
| RIP-RPB-785-SS | Raman coupled fiber probe for 785 nm with SMA connector 7.5 mm OD                   | 114 x 38 x 12.7 cm, 1.5-meter fiber |
| RIP-RPS-532    | Stainless-steel focused probe 12.7 mm   | 12.7 OD x 101 mm, 5-meter fiber     |
| RIP-RPS-532-IP | Stainless-steel focused probe for 532 nm excitation wavelength setups               | 12.7 OD x 1010 mm, 5-meter fiber    |
| RIP-RPS-785    | Stainless-steel focused probe for 785 nm excitation wavelength setups               | 12.7 OD x 1010 mm, 5-meter fiber    |
| RPB-785-0.6    | Raman coupled probe for 785 nm, steel jacket 7.5 mm total length                    | 114 x 38 x 12.7, 1.5-meter fiber    |

### Immersion Probes

| Item Code      | Description   | Dimensions                       |
|----------------|---|----------------------------------|
| RIP-RP2-532    | Stainless-steel immersion probe is immersible up to 200 °C and has adjustable working distance for 532 nm excitation wavelength setups  | 15.87 OD x 203 mm; 5-meter fiber |
| RIP-RP2-785    | Stainless-steel immersion probe is immersible up to 200 °C and has adjustable working distance for 785 nm excitation wavelength setups  | 15.87 OD x 203 mm; 5-meter fiber |
| RIP-RPR-H-532  | Hastelloy C immersion probe for use in process control applications up to 200 °C and 1500 psi; comes with sapphire window and has adjustable working distance for 532 nm excitation wavelength setups | 15.87 OD x 330 mm; 5-meter fiber |
| RIP-RPR-H-785  | Hastelloy C immersion probe for use in process control applications up to 200 °C and 1500 psi; comes with sapphire window and has adjustable working distance for 785 nm excitation wavelength setups | 15.87 OD x 330 mm; 5-meter fiber |
| RIP-RPR-SS-532 | Stainless-steel immersion probe for use in process control applications up to 200 °C and 1500 psi; sapphire window with adjustable working distance for 532 nm excitation wavelength setups           | 15.87 OD x 330 mm; 5-meter fiber |
| RIP-RPR-SS-785 | Stainless-steel immersion probe for use in process control applications up to 200 °C and 1500 psi; sapphire window with adjustable working distance for 785 nm excitation wavelength setups           | 15.87 OD x 330 mm; 5-meter fiber |

### Process Probes

| Item Code   | Description  | Dimensions                      |
|-------------|--|---------------------------------|
| RIP-RPP-532 | Stainless-steel probe with external optics for process control applications up to 500 °C and 3000 psi; comes with sapphire lens and has short working distance for 532 nm excitation wavelength setups | 9.52 OD x 300 mm; 5-meter fiber |
| RIP-RPP-785 | Stainless-steel probe with external optics for process control applications up to 500 °C and 3000 psi; comes with sapphire lens and has short working distance for 785 nm excitation wavelength setups | 9.52 OD x 300 mm; 5-meter fiber |

### Raman Probe Accessories

| Item Code    | Description                      |
|--------------|----------------------------------|
| OOA-RAMAN-SH | Raman Sample Holder              |
| RAM-PR-I     | Raman Immersion Measurement Tube |
| RIP-PA-SH    | Compact Raman Sample Holder      |

