

FIBERED REFLECTION PROBES



Fibered reflection probes are common accessories to measure specular or diffuse reflection in FT-IR systems. They are especially well suited for applications requiring a lot of flexibility. We offer fibered probes of three different kinds, depending on the fiber constituting glass, each targeting a specific spectral range. Light is brought to the sample via a peripheral fiber bundle which helps in achieving homogeneous illumination, and is collected by single, central fiber.

Specifications

Product code	R7-NIR-600-200F	R2-IFG-500-150F	R7-PIR-900-150F
Spectral range [μm]	0.4-2.5	2-5.5	4-16
Spectra range [cm ⁻¹]	4'000-25'000	1'800-5'000	650-2'500
Illuminating fiber bundle	6x low-OH, 600 μm core diameter silica fibers	2x 500 μm core diameter IFG fibers	7x 400 μm core diameter PIR fibers
Reading fiber	low-OH, 600 μm core diameter silica fiber	500 μm core diameter IFG fiber	900 μm core diameter PIR fiber
Probe ferrule	Stainless steel ferrule ø⅝''(3.175mm x 74mm)	Stainless steel ferrule ø¼''(6.35mm x 74mm)	Stainless steel ferrule ø¼''(6.35mm x 74mm)
Length [m]	2	1.5	
Fiber connectors	SMA905		
Recommended Instrument	FTNIR-L1-025-2TE	FTMIR-L1-060-4TE	FTMIR-L1-160-LN2

SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT NOTICE
Please contact info@arcoptix.com for more information.