Fiber Probe Couplers for FTIR spectrometers

art photonics
broad spectra fiber solutions

FlexiSpec®

In/Out ports made compatible with SMA-terminated fiber probe

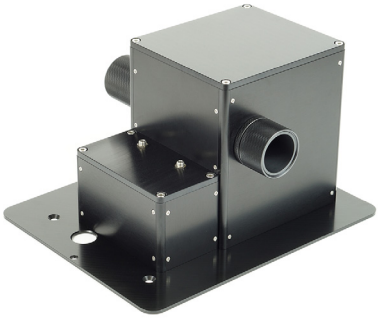
Adjustable mirror optics to use fiber probes in a very broad spectral range

Fiber Probe Couplers enable coupling of ***FlexiSpec***® fiber probes with any FTIR-spectrometer when installed in its sample chamber. Various ***FlexiSpec***® probes can be used for remote media analysis in-citu & in real time - for reaction monitoring and process control – instead of time consuming samples collection & preparation.
Mirror design of ***FlexiSpec***® **Fiber Probe Couplers** provides high coupling efficiency for any probe used for process-spectroscopy in broad spectral range 0.2-18µm.

Applications:

- Eliminates samples collection and preparation for FTIR-spectroscopy
- Enables reaction monitoring in-line with fiber probe in remote reactor
- Process-spectroscopy in Mid IR can be used for aggressive & toxic media at high pressure, at low and high temperature, vibration, etc.

Fiber Probe Coupler FPC-6M

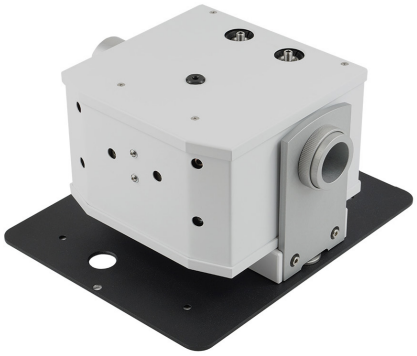


Fiber probe coupler FPC-6M provides the highest efficiency coupling of any fiber probe with bench FTIR-spectrometer. It is compatible with all Thermo Nicolet instruments with full-size sample compartment - iS10, iS50, 5700/6700, and can be fit to Bruker IFS 66 and Equinox.

Fiber Probe Coupler FPC-2M

FPC-2M design is based on two off-axe parabolic mirrors inside the standard accessories iD1 which can be adjusted for maximum signal from SMA-terminated probe. These enable efficient coupling of fiber probes to Nicolet™ Summit FTIR , Nicolet™ iS™ 5 and Nicolet™ iS™ 5N FT-NIR Spectrometers (Thermo Scientific™) when installed in its sample chamber.

Fiber Probe Universal Coupler



Universal coupler can be installed onto any base plate to fit into the sample compartment of FTIR spectrometers such as Shimadzu, Jasco, Bruker Tensor and Vertex, and many others.

Fiber Probe Coupler for Cary 630

New!
The smallest FTIR spectrometer Cary 630 from Agilent can now be equipped with a coupler.

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