

Fiber Probe Couplers for FTIR spectrometers



art photonics



FlexiSpec®

Efficient coupling of fiber probe to any FTIR-spectrometer in sample chamber

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-situ* & 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.

broad spectra fiber solutions

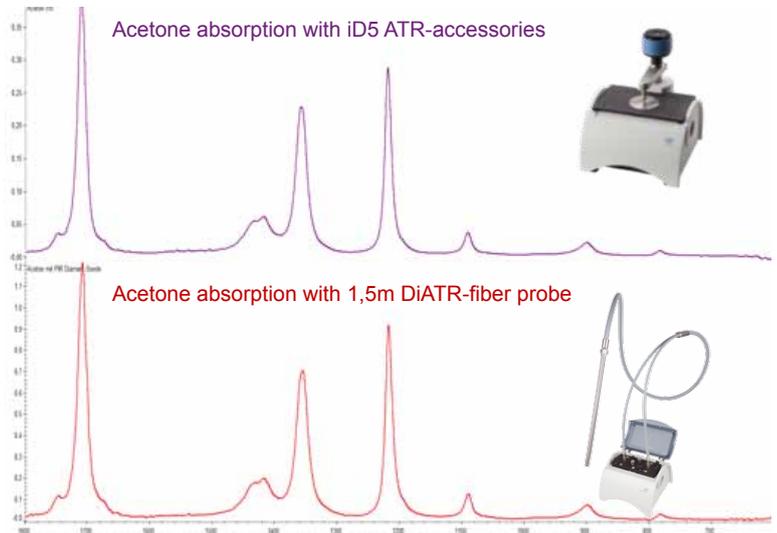
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Fiber Probe Coupler FPC-2M

FlexiSpec®



Fiber coupler FPC-2M enables efficient coupling of fiber probes with iS5 – the smallest FTIR-spectrometer from Thermo. FPC-2M design is based on two off-axis parabolic mirrors inside the standard accessories iD1 which can be adjusted for maximum signal from SMA-terminated probe.

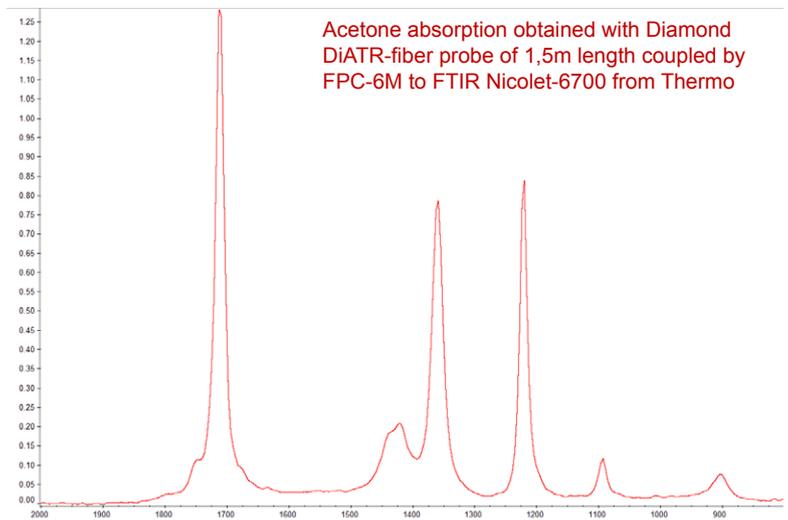


Fiber Probe Coupler FPC-6M

FlexiSpec®



Fiber probe coupler FPC-6M provides the highest efficiency coupling of any fiber probe with bench FTIR-spectrometer when it's installed in its sample chamber. Thus FPC-6M enables in-line reaction monitoring in lab, while it can be also modified for process- control with industrial FTIR and robust probes with SMA or other customized connectors.



artphotonics.com

art photonics GmbH
Rudower Chaussee 46
12489 Berlin Germany

Phone + 49 (0) 30-6779 887-0
sales@artphotonics.com
www.artphotonics.com

QAS Int. - certified
DIN EN ISO 9001:2008
Zertifikat Nr. A1887GER

