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Fiber Probe Coupler iF5 for FTIR-spectrometers
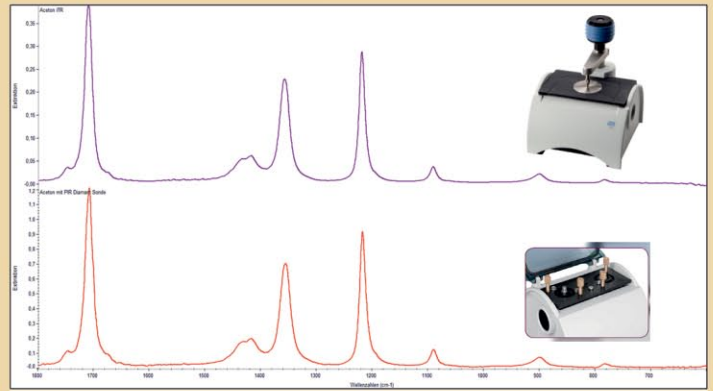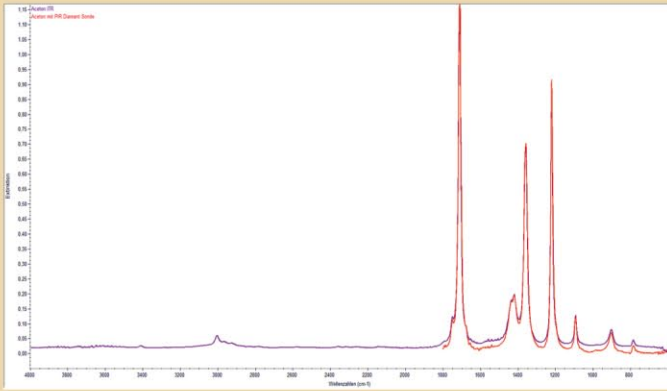
art photonics

- **Efficient coupling of fiber probe to FTIR-spectrometer**

- **Compatible with sample chamber of iS5 & other FTIR**

- **Mirror optics to enable work in broad spectral range**

- **In/Out ports compatible with SMA-terminated fiber probes**

- **Pre-aligned for distinct FTIR-model and adjustable to maximize coupling efficiency**

FlexiSpec® fiber coupler enables easy coupling of fiber probes with any FTIR spectrometer was designed for FTIR-Model iS5 from **ThrmoFisher Scientific**.
Design of FT-Fiber coupler from art photonics follows the line of standard accessories for iS5 for easy installation into its sample chamber and can be also adjusted for its use with the other FTIR-models. Coupling of *FlexiSpec*® probes with FT-spectrometers eliminates the need to prepare samples and place them onto the sample chamber and makes remote analysis possible for molecular reaction monitoring **in-line**.
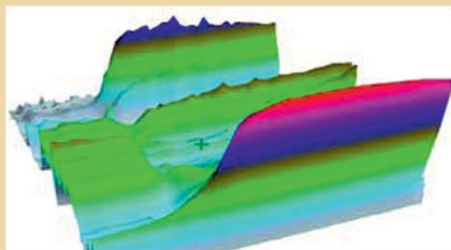
Applications:

- Easy coupling of fiber probe to FTIR spectrometer - to enable remote spectroscopy in-line
- Upgradable and adjustable to var FTIR-models
- Easy to install in sample chambe as any other accessories

Designed for efficient coupling of FTIR-spectrometers with different fiber probesiF5 fiber coupler was made to match iS5 – the smallest in family of FTIR-spectrometers from Thermo Fisher.

All mirror optics of iF5 is incorporated into standard iD1 accessories platform and cover a broad spectral range.Robust design enables simple mirrors adjustment to input & output ports to enable easy connection of FTIR-spectrometer with various SMA-terminated fiber probes.

Fiber Couplers can couple any FTIR-spectrometer with various *FlexiSpec*® probes and upgrade it for in-line ATR-Transmission or Reflection process-spectroscopy in a broad spectral range