Our new designed IR fiber ATR probes with PEEK shaft are cost effective and perfect for use in small lab reactors and open vessels. All ATR probes from FlexiSpec® product line are compatible to any type of FT-IR and other IR-spectrometers, photometers and sensors.

Applications:
- Reaction Monitoring in real time
- Remote Polymerization Control
- Crystallization Process Screening
- In-situ IR-Spectroscopy for soft surfaces, pastes and liquids
Common Parameters of Fiber Optic ATR-Probes

**FlexiSpec®**

- **Total Length**: 1.5m (opt.: 1m to 5m)
- **Shaft Length**: 150mm (opt.: 100mm to 500mm)
- **Shaft Diameter**: 6.3mm
- **Shaft Material**: PEEK (polyetheretherketone)
- **Length of Legs**: 500mm (opt.: 200 - 500mm)
- **Protective Tube Material**: PEEK
- **Minimal Bending Radius**: 130mm
- **Input / Output Connectors**: Long SMA (opt.: any other type)

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**Specification of Fiber Optic ATR-Probes for lab application** *FlexiSpec®*

<table>
<thead>
<tr>
<th>Type of ATR element</th>
<th>ZnSe</th>
<th>Ge</th>
<th>Si</th>
<th>ZrO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission range</td>
<td>3.2-17μm (3100-600cm-1)</td>
<td>3.2-17μm (3100-600cm-1)</td>
<td>3.2-17μm (3100-600cm-1)</td>
<td>1.1-6.5μm (9000-650cm-1)</td>
</tr>
<tr>
<td>Fiber type</td>
<td>PIR-900/1000</td>
<td>PIR-900/1000</td>
<td>PIR-900/1000</td>
<td>CIR-500/550</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-100°C / +140°C</td>
<td>-100°C / +140°C</td>
<td>-100°C / +140°C</td>
<td>-100°C/ +90°C</td>
</tr>
<tr>
<td>Pressure (max)</td>
<td>7 Bar</td>
<td>7 Bar</td>
<td>7 Bar</td>
<td>7 Bar</td>
</tr>
</tbody>
</table>