Some Applications:

- Biomedical
- Biotechnology
- Material Science
- Food & Drink
- Chemical/Petrochemical
- Pharmaceutical
- Research & Development

Metal coated fibers for minimal cross talk.
Thinnest probe tip with diameter 0.5 mm (Type A).
Customizable: tip, bundle, detection geometry.

Spectra acquired with the (7+1) Type A probe.
Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Values</th>
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<tbody>
<tr>
<td><strong>Wavelength Range:</strong></td>
<td>190 - 1300 nm (UV/VIS) / 350 - 2200 nm (VIS/NIR)</td>
</tr>
<tr>
<td><strong>Operating Temperature:</strong></td>
<td>-20 °C to 80 °C (PEEK -70 °C to +200 °C) (SS Steel till +400 °C)</td>
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<tr>
<td><strong>Pressure:</strong></td>
<td>10 Bar (on request)</td>
</tr>
<tr>
<td><strong>Bend Radius Body:</strong></td>
<td>80 - 160 mm (long term proof test on request)</td>
</tr>
<tr>
<td><strong>Fiber Core ø [µm]</strong></td>
<td>Detecting Fibers: 50, 100, 200, 300 / Illuminating Fibers: 100, 200, 300,400</td>
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</table>

**NA = 0.22 ± 0.02**

**Customizable Design:**

- Tip 2-100 mm
- Handle
- Flexible Part
- Legs 0.3 - 0.5 m

**Different Excitation Bundles:**

- (7+1) Type A
- (9+1) Type B
- (14+1) Type C
- (7+12) Type D

**SMA-905; FC/PC or ST connectors**

**Round, Line or Custom Type Detection Bundles:**

**High Sensitivity Versions:**

- Type E: 2 Detection Legs
- 7 Al coated excitation Fibers
- 2 Detection Legs (6+6 Fibers)

**Probe with Glass Fibers Structure:**

- Specially developed for multiple LED excitation and detection of weak signals:
- Type F: Glass Bundle + Silica Bundle
- Version 1: LED1, LED2, Silica Glass, Det1, Det2
- Version 2: LED1, LED2, High NA Glass Fibers, Det1, Det2
- 2 Channels Randomized detection fibers (9+10) Al/PI jacket
- 2 Channels Randomized detection fibers (7+30) Al/PI jacket