



# Mini Probes



close-up view

### Advantages

- Allows remote process monitoring and control
- Improves process efficiency leading to cost savings
- Reproducible and safe sampling
- Vigorously tested for steam cleaning in process (CIP)

The Prospect™ Miniprobe gives the user a choice of construction materials and sizes to match process requirements. The three probe lengths can be selected to best match the user's installation requirements. The performance is not compromised, with both high temperature (250°C) and high pressure (100 bar) capability using the Gold/Nickel bonding system for the sapphire window. This gives the Prospect™ Miniprobe the overall performance only matched by other bulkier probes. The wide choice of probe lengths allows the probes to be mounted in a range of locations without excessive probe body protrusion from the vessel or pipe. All probes are manufactured, assembled and tested in house using our 30 years of experience in optical systems to ensure a product of the highest quality. Control of the whole manufacturing process allows us to customise probes to specific customer requirements. Compatibility to the user's instrument is ensured with a choice of fibre connector types (SMA and FC) as well as fibre type (single or multimode).

### Options

Armoured fibre optic cable available on request.  
Longer lengths of fibre available on request.

### Applications

- Oil refining
- Petrochemicals
- Chemicals
- Pharmaceuticals
- Food
- Pilot plants & R&D

### Specification

Spectral range	NIR
Max operating temp	250°C
Max pressure	100 bar
Probe material	S/S or Hastelloy
Probe length	100, 200, 300 & 500mm (immersion length is total length minus 55mm)
Pathlengths	1, 2 & 5mm
Window	Sapphire
Window seals	Gold/Ni Bond
Outside diameter	6.35mm
Fibre connections	SMA or FC (customer to specify)
Fibre type	Single & multi-mode 600µm (2m of standard fibre supplied)

**Testing and certificates included.**

### Ordering Information

<b>GS26700</b>	Process Transmission Probe, 6.35mm (1/4") dia.
<b>GS26701</b>	Process Transmission Probe, 1mm, 100mm
<b>GS26702</b>	Process Transmission Probe, 2mm, 100mm
<b>GS26703</b>	Process Transmission Probe, 5mm, 100mm
<b>GS26704</b>	Process Transmission Probe, 1mm, 200mm
<b>GS26705</b>	Process Transmission Probe, 2mm, 200mm
<b>GS26706</b>	Process Transmission Probe, 5mm, 200mm
<b>GS26707</b>	Process Transmission Probe, 1mm, 300mm
<b>GS26708</b>	Process Transmission Probe, 2mm, 300mm
<b>GS26709</b>	Process Transmission Probe, 5mm, 300mm
<b>GS26710</b>	Process Transmission Probe, 1mm, 500mm
<b>GS26711</b>	Process Transmission Probe, 2mm, 500mm
<b>GS26712</b>	Process Transmission Probe, 5mm, 500mm
<b>GS26720</b>	Process Probe 1mm, 300mm multi-mode
<b>GS26721</b>	Process Probe 2mm, 300mm multi-mode
<b>GS26722</b>	Process Probe 5mm, 300mm multi-mode