

## FLOW CELLS & PROBES

### NIR UV-VIS PROCESS AND LAB ANALYZER (SPECTROMETERS)

The sample interface is a virtual “window into the process” and is a critical component of any optical analyzer system. Our **GUIDED WAVE™ sample interfaces (probes, flow cells)** are designed for use with our [NIR UV-VIS fiber optic coupled analyzers](#). They are rugged and reliable, especially in harsh chemical and physical process conditions and provide optimal transmission for long-term reliable measurements. Our inline probes are the most cost-effective and trouble-free solution for your real-time process spectral analysis.

We offer a range of sample interfaces (probes and flow cells) that are designed with unique features to ensure accurate and reliable measurements in a variety of applications. One unique feature of our **sample interfaces** is their flexibility in design. They can be customized to fit specific process requirements, such as temperature and pressure, and to accommodate various sample types, including liquids, slurries, and gases. Additionally, they are designed to be easy to install and maintain, minimizing downtime and reducing operating costs.



**SST | GUIDED WAVE™ Gold Brazed Single-Sided Transmission Probe**



**SST LAB | GUIDED WAVE™ Gold Braze Sealed QC Lab Transmission Probe**



**O-SST | GUIDED WAVE™ O-Ring Single Sided Transmission Probe**



**RTD-SST | GUIDED WAVE™ SST Probe with Built-in RTD for Process Monitoring with Temperature Measurement**



**G-SST Vapor Probe | GUIDED WAVE™ Probe for Precise Measurements of Gas Streams Such as Hydrogen Peroxide & Water Vapor**



**Shuttle Process Probe | GUIDED WAVE™ Two Coupled Insertion Probes for Easy Maintenance without Process Flow Interruption**



**Turbidity Process Probe | GUIDED WAVE™ Probe for Haze or Turbidity (NTU) Measurements with ClearView® db**



**MPFC Multi-Purpose Process Flow Cell | GUIDED WAVE™ Flow Cell Alternative to Insertion Probe**



**Heated Multi-Purpose Flow Cell | GUIDED WAVE™ Flow Cell for Heating/Cooling Fluid to Maintain Temperature of Preconditioned Sample**



**Axial Process Flow Cell | GUIDED WAVE™ Long Path Flow Cell for Low Concentration**



**Gas Flow Cell** | GUIDED WAVE™ Flow Cell for Measuring Online Gas Phase Samples by Spectroscopy



**HSFC High Safety Process Flow Cell** | GUIDED WAVE™ Flow Cell for Extremely Hazardous Samples, Designed with Leak Prevention



**Teflon Flow Cell** | GUIDED WAVE™ Flow Cell for Corrosive or Intolerant Sample Streams



**Teflon PFA/PEEK Flow Cell** | GUIDED WAVE™ Flow Cell for Sample Streams Incompatible with Metal Compounds (HF Semiconductor Baths)



**Teflon Axial Flow Cell** | GUIDED WAVE™ Flow Cell for Sample Streams in Highly Corrosive Processes | Trace Metal Contamination Sensitivity



**Turbidity Flow Cell** | GUIDED WAVE™ Flow Cell for At-Line Measurements Where a Direct Insertion Probe is Not Practical



**Cuvette Holders** | GUIDED WAVE™ Cuvette Holder for QC Lab Sample Interface



**PROBE EXTRACTOR MECHANISM** | GUIDED WAVE™ Extractor for Controlled Extraction/Insertion of In-Line Probe



**THERMALLY STABLE NIR FIBER OPTIC CABLE** | GUIDED WAVE™ Fiber for Signal Stability & Low Noise in Remote Spectroscopy



**DEEP UV-VIS FIBER OPTIC CABLE** | GUIDED WAVE™ High Optical Throughput Fiber for Wavelengths Down to 200 nm

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