

# Guided Wave Process Probes

## General Specifications Summary

PROBES	Maximum Pressure	Maximum Temperature	Optical Pathlength	Other Information
Insertion Probe, SST	2000 psi (138 bar)	300 °C	2-50 mm	OD: 0.75 inch or 1.00 inch. Flanged versions available. No purge required. Optical efficiency >30% minimum.  Optional Low (Ball Valve) or High Pressure (Extractor) Interfaces Available.
Insertion Probe, OSST	1000 psi* (69 bar)	250 °C*	2-50 mm	OD: 1.00 inch. Flanged versions available. No purge required. Optical efficiency >30% minimum. P.L. ≤ 20 minimum.
Shuttle Probe	2000 psi** (138 bar)	260 °C	1-62 mm	Windows can be withdrawn from live line for cleaning. O.E. > 18%
Flow Cell, Multi-purpose, MPFC	500 psi* (35 bar)	300 °C*	1-20 mm	Convenient clean out port; ported to accept standard tube sizes. Optical efficiency >45% minimum.
Flow Cell, Teflon®, TFC	100 psi (7 bar)	150 °C	1-20 mm	Heated / Unheated versions. All wetted parts are Teflon® or sapphire. Optical efficiency > 45% minimum.
Flow Cell, High Safety, HSFC	300 psi* (21 bar)	150 °C*	20 and 30 mm	For extreme, hazardous service. Hydrotested to 1100 psi. Optical efficiency >45% minimum.
Flow Cell, Long Path, LPFC	500 psi* (35 bar)	300 °C*	25-100 mm	Ideal for trace chemical detection in liquids.
Polymer Melt (Extruder)	7000 psi (483 bar)	350 °C	Various	Several proven designs available. Very rugged.
Remote Sampler, ROSA	500 psi* (35 bar)	270 °C*	1-20 mm	Synchronizes sampling with data collection for calibration maintenance. Outlier-triggered sampling capability.

Probes and flow cells are available in UV-VIS, VIS-NIR and NIR versions and come in a variety of alloys, lengths, and optical pathlength. For best performance, process probes have fixed optical pathlengths that are user selectable at the time of ordering. Many other standard probe designs are available.

\* Values listed are typical. Actual value determined by choice of O-ring material. \*\* Pressure rating depends on flange.

**Your GUIDED WAVE products are protected  
by our industry leading 2-Year warranty on materials and workmanship!**



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**Guided Wave Inc.**  
3033 Gold Canal Drive  
Rancho Cordova, CA 95670  
Tel: 916-638-4944  
Fax: 916-635-8458  
E-mail: [GWinfo@guided-wave.com](mailto:GWinfo@guided-wave.com)

**Guided Wave BV**  
P.O. Box 427  
7550AK Hengelo (o)  
The Netherlands  
Tel: +31.74.2595390  
Fax: +31.74.2595752  
E-mail: [info@guided-wave-europe.nl](mailto:info@guided-wave-europe.nl)