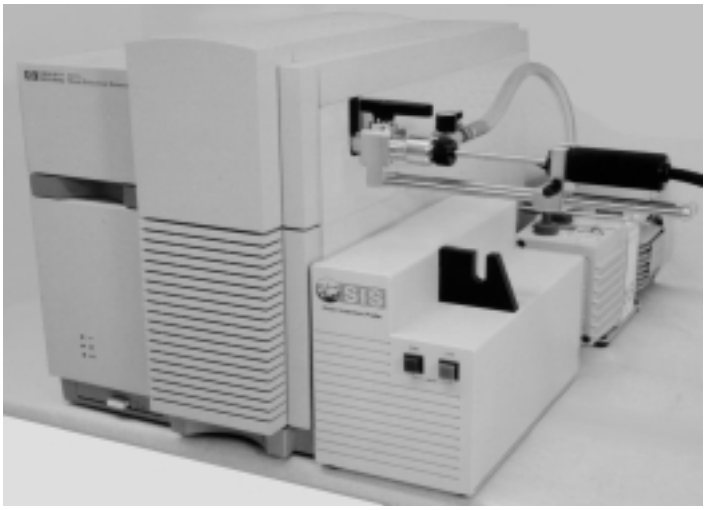
Direct Insertion Probe for the Agilent 5973 & 5975 MSD

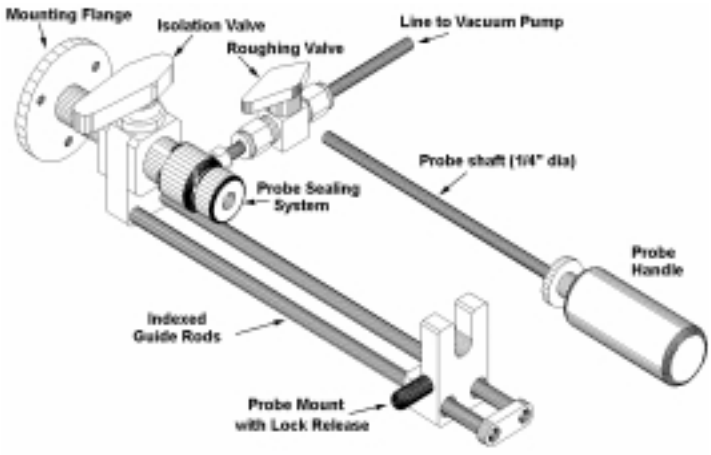
System Features

- Easy to install - mounts on the GC/MS Inlet Port
- PC Window for the control of temperatures and ramp rates
- Ballistic ramp rate >500°C per minute
- Up to 25 levels of programmable Temperature ramping
- Probe PC control software fully integrated with the Agilent ChemStation software
- Can be used with either the turbo pump or diffusion pump version of 5973 & 5975

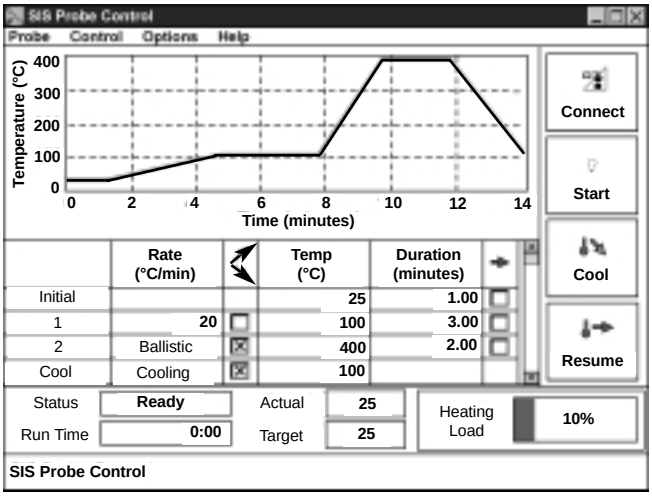


Complete Direct Probe System Mounted On the Agilent 5973 MSD

Direct Probe sample analysis can be accomplished on the Agilent 5973 & 5975 MSD with the new Direct Probe Inlet System from Scientific Instrument Services™. The probe inlet mounts onto the GC/MS transfer line port and uses an indexed probe introduction guide to permit the direct insertion and removal of the probe into the MSD source without venting the MSD or scoring the probe rod. The probe can be either heated ballistically at ramp rates in excess of 500°C per minute or can be temperature programmed with up to 25 ramp rate levels. The probe temperatures, ramp rates, hold times, start and stop are all PC controlled and fully integrated with the Agilent ChemStation software. This permits the storage of the probe analysis parameters in the sample data files and the method files.



Direct Insertion Probe and Probe Inlet System



Part No.	Description	Price
HPP7	Probe Inlet System	
S12A	Flared Sample Vials, 100	
S12C	Flared Sample Vials, 500	
S12B	Flared Sample Vials, 1000	
HPP7007	Replacement Inlet Seal Set	

PC Window for the Control of the SIS Direct Probe for the Agilent 5973 & 5975 MSD

The user interface for the control and monitoring of the direct probe for the Agilent 5973 & 5975 probe is via software on the PC. This window is fully integrated with the Agilent ChemStation software. The PC software controls the direct probe electronics console via an RS232 interface to download the values entered via the PC window to control the actual temperature of the probe. The probe can be operated in the ballistic mode with ramp rates greater than 500 degrees per minute. In the programmable mode, the user inputs the ramp rate, the final temperature and the duration time (hold time). Temperature program rates up to 400° per minute can be used to control the temperature of the probe between 25 and 450 °C. Up to 25 levels of programmable ramping steps are permitted through this PC interface. A visual graphic presentation of the temperature profile indicates the ramp and hold temperatures as a function of time. In addition, the status portion of the screen shows the probe status, time of analysis, the target and actual probe temperatures and the power requirements to heat the probe (heating load).

The probe inlet system (Part #HPP7) includes the direct probe, the probe inlet, probe controller, software, vacuum pump, tools and other accessories.