



Shimadzu (Germany), one of the worldwide specialist manufacturers of analytical instrumentation, has launched the HS-20 gas chromatography headspace sampler for accurate analysis of an even wider range of volatile compounds with boiling points ranging from low to high. The HS-20 heats liquid or solid samples sealed in a container to a specific temperature, and injects the volatile compounds diffusing into the gaseous phase into a GC or a GCMS. These systems are widely used in the fields of environmental and pharmaceutical applications as well as in materials and food products analysis and forensics. The HS-20 will support these analyses particularly in testing and inspection organisations.

The unique configuration of flow lines and the oven enables the analysis of high boiling point compounds while minimising carryover. Using the electronic cooling trap, it is also possible to concentrate the headspace gas for analysis of compounds with extremely high sensitivity.

Headspace samplers enable easy analysis of volatile compounds. They are used in various fields requiring higher reliability, such as analysis of VOCs (volatile organic compounds) in the environmental and quality control applications of pharmaceuticals whereas in food products and materials control a wide range of volatile compounds with low to high boiling points has to be detected with high sensitivity in order to provide accurate qualitative and quantitative results for numerous measurement targets.