

EnviroChamber Golden Gate™ ATR

The EnviroChamber Golden Gate™ has a sealed sampling chamber for analysing samples in a controlled environment.

Key Features

- Quick release sealed chamber
- Gas/vapour flow fittings on chamber
- Chamber is integrated with the Golden Gate™ top plate
- Heated versions available

The EnviroChamber Golden Gate™ diamond top plate is a new addition to the range of top plate options available for the Golden Gate™ ATR accessory. In common with other Golden Gate™ top plates it is compatible for use on the standard Golden Gate™ optical unit; available with a choice of ZnSe or KRS-5 lenses.

The top plate has been designed for analysing samples in a sealed or controlled environment. It has an external chamber attached to the bridge and clamp anvil assembly which is used to enclose the diamond/tungsten carbide puck at the sample analysis area of the top plate. Flow tubes are provided on the chamber to introduce a flow of gas or vapour into the surrounding environment or to seal and evacuate the chamber if necessary.

The chamber enables a solid or liquid sample to be measured using the ATR method where the sample can be isolated from the external environment. Samples can be measured for their interaction under a controlled environment for humidity or various gas flow experimentation at ambient or elevated temperatures up to 300°C, if using a heatable top plate option.

The removable top-plate allows the sample to be prepared in a safe environment such as a fume cupboard or glove box and then sealed so the configured EnviroChamber Golden Gate™ accessory can safely be taken back to the spectrometer for analysis.

Illustrations, descriptions and specifications in this datasheet were correct at the time of going to press. However, Specac's policy is one of continuous product development and we reserve the right to change descriptions and specifications at any time.



Applications

- Analyse solid or liquid samples in a sealed environment
- Analyse solid or liquid samples in a flowing gaseous environment

Ordering Information

Complete Golden Gate™ Accessory

- GS10652 EnviroChamber Golden Gate™ ATR
- GS10662 Heated 200°C EnviroChamber Golden Gate™ ATR
- GS10667 Heated 300°C EnviroChamber Golden Gate™ ATR

Each of the above consists of a top plate on an optical unit with a choice of ZnSe or KRS-5 lenses, sapphire anvil, pellet anvil, purge bellows and a Benchmark™ type baseplate to suit your spectrometer model; a temperature controller for the heated versions is also included.

Please specify your spectrometer make and model for the Benchmark™ baseplate. If you are ordering a heated version, please also specify the voltage and country of use.

If the EnviroChamber Golden Gate™ top plate only is required please contact Specac for details.

For the latest details please contact your local Specac office or representative.

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