



The Silver Gate single reflection ATR



Silver Gate-Reflection ATR (ZnSe)

The Silver Gate single reflection ATR system is a new, high throughput FTIR accessory capable of analyzing solids, liquids, and pastes with little or no sample preparation. The quick lock and release bridge, based on the proven Golden Gate diamond ATR system, allows for rapid sample throughput and reproducible solid sampling. It also has a built-in torque limiter to control the load applied to the ATR crystal.

The standard configuration uses a Germanium crystal bonded into a hard-anodized top-plate for maximum resistance to chemical attack. The sampling surface is flat to ensure the best possible contact with any sample, avoiding point loading as well as the stray light and non-linearity found with domed crystals. The Silver Gate single reflection ATR is extremely robust and it has factory pre-aligned optics. This ensures that it can be installed easily and rapidly with little or no alignment. The Silver Gate optics are fully enclosed and can be purged very quickly due to the small internal volume. The Benchmark base-plate mounting system allows the accessory to be rapidly and reproducibly replaced in your spectrometer and provides the stability needed for a high sample throughput.

Ordering Information

Silver Gate Single Reflection ATR (When ordering please specify: spectrometer make and model.)

Ordering.-No.	Type
310580	Silver Gate single reflection ATR with Germanium crystal. Includes: optics, anodized top-plate, Golden Gate type clamping device with integral torque limiter and flat anvil, volatiles cover, Benchmark baseplate, and purge bellows.
310581	Silver Gate Single Reflection ATR with zinc selenide crystal. As 310580 except with zinc selenide crystal.