

Product Note M127-08/10

Platinum ATR QuickSnap™ sampling modules



The “Platinum” QuickSnap™ ATR sampling modules for the ALPHA FT-IR spectrometer are single reflection ATR accessories. The Platinum modules are designed to significantly ease your daily FT-IR analysis of solid and liquid samples.

The extremely robust design of the Platinum ATR facilitates a fast and reliable IR-analysis of almost all kinds of samples. Its diamond ATR-crystal is soldered into a ceramic plate resulting in a chemically inert and mechanically rugged sampling area. Due to the level mounting of the crystal easy and thorough cleaning is possible, guaranteeing spectra without contamination from previously analyzed samples. For the measurement of dark samples (e.g. black polymers) and thin layers the Platinum ATR module can be equipped with a Germanium crystal plate. To ensure a safe and reliable analysis the crystal type is automatically recognized by the spectroscopy software OPUS and optimal measurements parameters are loaded.

An ergonomic one-finger clamp mechanism permits a comfortable and fast analysis of solids. For particularly hard samples a high pressure option is available.

To meet the demands of liquid sample measurements the Platinum ATR can be configured with a temperature controlled crystal plate with a sampling trough and a flow-through attachment.

Specifications

- Single reflection diamond crystal
- Chemically and mechanically robust sampling area
- All reflective, gold coated optics
- Spectral range: 7,500 - 375 cm^{-1}
- Exchangeable crystal plates
- Ergonomic one-finger clamp mechanism with pressure control
- Adjustable and reproducible sample pressure
- Working distance (max. sample height): 20 mm
- 360° rotatable pressure applicator allowing easy crystal cleaning
- Easily exchangeable with ALPHA QuickSnap™ modules, automatic recognition, performance test and automatic load of measurement parameters

Platinum-ATR QuickSnap™ sampling modules

The ALPHA Platinum ATR QuickSnap™ sampling modules offer complete sampling flexibility. They can be exchanged easily without the use of tools and are recognized instantly by the ALPHA FT-IR spectrometer. After an automatic performance test the optimal set of measurement parameters is loaded.

■ A220/D-01

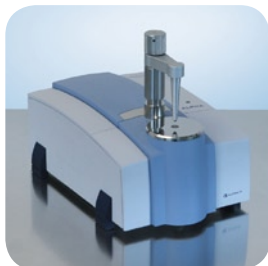
- Platinum ATR QuickSnap™ sampling module for solids and liquids
 - Ergonomic one-finger clamp mechanism
 - Flat sampling plate
- Comfortable and fast analysis of solids*
Measurement of liquids



A220/D-01

■ A220/D-01HP

- Platinum ATR QuickSnap™ sampling module for solids and liquids
 - Slip clutch high pressure applicator
 - Flat sampling plate
- Measurement of particularly hard samples*



A220/D-01HP

Options A220/D-01x

■ A220-10

Germanium crystal plate for the analysis of highly absorbing sample (e.g. carbon black polymers)

■ A220/DL-01

- Platinum ATR QuickSnap™ sampling module for liquids
 - ATR-crystal plate with sampling trough
 - Without pressure applicator for solids
- Comfortable and fast analysis of liquids*

■ A220/DLT-01

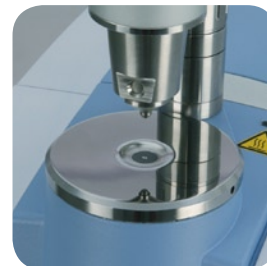
- Platinum ATR QuickSnap™ sampling module for liquids
 - ATR-crystal plate with sampling trough
 - Without pressure applicator for solids
 - Temperature range: ambient temperature to 80°C
 - Temperature control via OPUS software
- Temperature controlled measurement of liquids*



A220/DL-01 / A220/DLT-01

■ A220/DLST-01

- Platinum ATR QuickSnap™ sampling module for liquids and solids
 - ATR-crystal plate with sampling trough
 - Ergonomic one-finger clamp mechanism
 - Temperature range: ambient temperature to 80°C
 - Temperature control via OPUS software
- Temperature controlled measurement of liquids*
Comfortable and fast analysis of solids



A220/DLST-01

Options A220/DLx

■ A220-LC

Cover for volatile samples

■ A220-FLW

Flow through attachment for the analysis of liquids in flow-through or stopped-flow-mode