

Product Note M192-07/20

W112/I, W112/IBD, Transit Platinum ATR



Transit Platinum ATR features:

- Diamond crystal, single reflection, edged in tungsten carbide
- Level ATR crystal plate; perfectly integrated into INVENIO
- Automatic switch between sampling channels
- Dedicated MIR or FIR-MIR wide range DLaTGS
- Purgeable and sealed beam path

Transit Platinum ATR benefits:

- Keep complex experiments unchanged
- ATR experiments are always available
- Measure very large samples
- Easy cleaning

INVENIO FT-IR spectrometers can be configured with an optional Transit Platinum ATR measurement channel integrated into the right side of the spectrometer. It offers a purgeable and sealed beam path and can be equipped with a dedicated MIR or FIR-MIR wide range DLaTGS detector. Selection of the main sampling chamber or Transit Platinum ATR is automatically performed via the OPUS software.

The concept of an additional measurement channel allows to maintain bulky research set-ups and experiments in the main sample compartment. Without accessory removal or change in alignment quick ATR measurements of highest quality are always available.

The Transit Platinum ATR is ideal for the analysis of organic and inorganic powders, solids, pastes and liquids. A wide range option allows ATR measurements in one step from 80 to 6000 cm^{-1} , known as Bruker FM technology. The high-grade stainless-steel work disk and the edged diamond crystal offer the well-established durability and quality.

The crystal plate allows easy cleaning and accommodation of large samples. All INVENIO FT-IR spectrometers can also be upgraded with the Transit Platinum ATR at any time. Furthermore, the Transit Platinum ATR supports all commonly used MIR validation options, addressing the need of regulated industries.

Transit Platinum configurations for INVENIO FT-IR:

- Transit Platinum ATR MIR measurement channel, Spectral range: 350 - 10,000 cm^{-1}
- Transit Platinum ATR wide range FIR-MIR measurement channel, spectral range: 80 - 10,000 cm^{-1}
- Options:
 - A220-LC Cover for volatile samples
 - A220-FL Flow through attachment for liquids