

Get More From Your Analysis

Durable, High Performance Diamond ATR

The Thermo Scientific™ iD7 ATR accessory lets you get the most out of your Thermo Scientific™ Nicolet™ iS™5 FT-IR spectrometer. A monolithic diamond ATR crystal and high efficiency all-reflective optics combine with a variety of interchangeable crystal plates to provide the robustness and flexibility to meet your material identification and verification needs:

- Verify pharmaceutical active ingredients and excipients
- Identify polymers, copolymers and additives in plastics and rubbers
- Inspect incoming raw materials
- Analyze volatile liquids

The iD7 ATR optics maximize energy throughput, so you get high-quality spectral data in seconds. Robust, simple operation is assured by the dependable crystal mounting system, and the Thermo Scientific™ Smart™ chip technology that integrates the iD7 ATR into your Nicolet iS5 spectrometer.



- Monolithic diamond crystal provides superior robustness
- Full spectral range provides more information about sample
- Interchangeable crystals offer sampling versatility
- Automatic accessory recognition enables high productivity



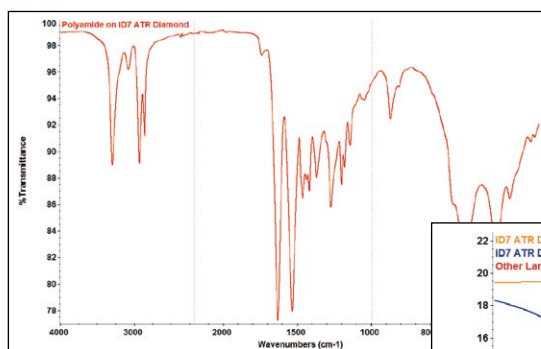
Gather more information from your Nicolet iS5 FT-IR spectrometer with the iD7 ATR accessory

Configure Your iD7 ATR

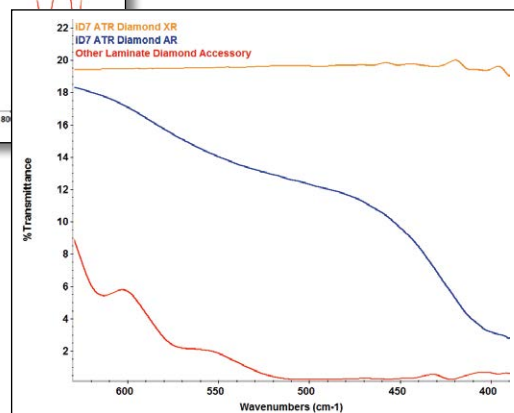
Choose the crystal type to fit your needs and budget:

- Diamond for liquids and all solids
- ZnSe for liquids and soft solids
- Germanium for highly absorbing materials like black rubbers

You get clean, high quality spectra in less time across the entire mid-infrared spectral range with the robust full-diamond crystal and efficient all-reflective optics. Use the germanium option for difficult samples like carbon-filled polymers, or the cost-effective zinc selenide (ZnSe) option if you analyze only liquids and soft solids.



Polyamide spectrum



iD7 ATR diamond utilizes the full spectral range of the Nicolet iS5 compared to diamond laminates

Choose the configuration that best meets your needs:

iD7 Crystal Plate (one required)	Soft Materials	Hard Materials	Highly Absorbing	Part Number
iD7 AR Diamond*	Best	Best		869-168800
iD7 XR Diamond**	Best	Best		869-168900
iD7 ZnSe	Good			869-169000
iD7 Germanium	Good	Good	Best	869-169100

Accessory Base (required)	Part Number
iD7 Optics Module†	869-172900

Spare Parts	Part Number
iD7 ATR Tip & Volatiles Cover Kit	869-169200

* AR-coated for higher throughput; Spectral range in Nicolet iS5 with KBr: 7800–400 cm⁻¹

** Uncoated for wider spectral range; Spectral range in Nicolet iS5 with KBr: 7800–350 cm⁻¹

† Includes iD7 ATR Tips and Volatiles Cover

Learn more
www.thermoscientific.com/iD7

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