

DuraSamplIR II™

DIAMOND ATR ACCESSORY



Feature Highlights

- **Diamond ATR**
- **Unique optical design offers exceptional signal to noise**
- **Multiple pathlengths capability**
- **Upgradable to flow through, heating, cooling and viewing**
- **Alternative crystal configurations**
- **Compatible with all FT-IR spectrometers**

The DuraSamplIR II is an in-compartment diamond ATR accessory that optimizes your spectrometer's analytical versatility by incorporating both ease of use and durability.

With its patented DiComp™ DuraDisk technology, the DuraSamplIR II offers high energy throughput and multiple pathlengths for increased sensitivity.

DiComp diamond ATR technology offers a virtually indestructible sampling surface, yet retains exceptional optical characteristics. Its unique optical design focuses all the infrared energy into the sample for the highest signal to noise possible with diamond ATR.

Advantages of Diamond ATR:

- ✓ Small amount of sample needed
- ✓ No sample preparation
- ✓ Unlimited pH
- ✓ Abrasion resistant
- ✓ Easy to clean

Just "place, click and scan". When analysis is complete simply wipe the diamond with solvent and you're ready for your next sample.

The DuraSamplIR II also has the option of adding viewing, heating, cooling and flow through capability to accommodate all types of samples or to perform dynamic experiments for research.

Technical Data **DuraSamplIR II**

General Specifications

| | |
|--------|---------------|
| Weight | 12 lbs. |
| Size | 6" x 8" x 10" |

Available Options

| | |
|----------------------------|---|
| Multi-Reflection DuraDisks | Single-reflection DuraDisk Three-reflection DuraDisk Nine-reflection DuraDisk |
| Heating Capability | For calibrated, elevated temperature studies, at temperatures up to 100°C |
| Cooling Capability | Optional inlet and outlet ports to flow cooling solutions |
| AmplifIR™ | The AmplifIR is a unique variable 45° specular reflection device designed specifically for thin film analyses |
| Gas Cell | This high-pressure gas cell for FT-IR analysis is capable of testing gases up to 1000 psi and creates a generous 10 cm path length |
| Liquid & Flow Cell | For air sensitive samples, performing reaction analyses or other dynamic studies. The flow cell and the micro-volume flow cell permit convenient flow-through studies of aqueous and non-aqueous liquids at ambient or elevated temperatures. |
| ATR Libraries | Extensive ATR spectral libraries acquired with DiComp™ DuraDisks searchable with most versions of spectroscopy software |

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