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Find the *Thermo / Spectra-Tech 0030-005* at our website: ***Click HERE***

Spectra-Tech Collector II Diffuse Reflectance Accessory

Analyze powders with little or no sample preparation

Solids

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The Spectra-Tech Collector II™ is a flexible DRIFTS (Diffuse Reflectance Infrared Fourier Transform Spectroscopy) accessory. Diffuse reflectance analysis eliminates the need for tedious and time-consuming preparation of KBr pellets. The accessory's rugged design makes it an ideal choice for high-sample throughput situations, such as in a QC/QA laboratory. A wide variety of controlled environmental chambers are offered as options to permit the analysis of powders (e.g. catalysts) under a range of vacuum, pressure and temperature conditions. The Spectra-Tech Si-Carb Sample Prep Kit is included to abrade intractable samples (such as paint on an automobile panel) and obtain diffuse reflection spectra with the Spectra-Tech Collector II accessory.

The Spectra-Tech Collector II with the ambient chamber (see page 41) is a valuable accessory to measure hazardous and toxic compounds, such as anti-cancer drugs. The sample can be prepared in a glove box, sealed, and then measured with higher protection to the operator than when using other sampling methods.



Applications

- Powders
- Organics
- Inorganics
- Intractable solids
- Reaction monitoring

Features

- Requires little or no sample preparation
- Samples can be run neat or easily mixed into a sampling matrix (e.g. KBr)
- Patented on-axis design provides high throughput with sensitivity to nanogram quantities
- Easy sample cup height adjustment optimizes sample (beam) focus
- Patented Blocker™ device removes specular component, providing more transmission-like results
- Includes two macro (0.25 gram volume) and two micro (0.01 gram volume) sampling cups, alignment mirror, funnel, and mirror adjustment tool
- Optional dual sample cup holder allows loading of a sample and a blank, or two samples at the same time
- Optional chambers allow samples to be run at ambient or at elevated temperatures and pressures
- Includes Spectra-Tech Si-Carb Sample Prep Kit (see page 44 for details)

Product Configuration	Part Number
Spectra-Tech Collector II Diffuse Reflectance Accessory	0030-0XX

Options/Replacements	Part Number
Macro sampling cup, 0.25 g volume	3000-316
Micro sampling cup, 0.01 g volume	3000-319
Micro sampling funnel	3000-320
Alignment mirror	7004-015
Dual sample cup holder	0030-150
Mirror adjustment tool	2001-106



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