

- **Rapid identification of unknown samples**
- **No sample preparation**
- **Easy-to-use software**
- **For use by First Responders, portable labs, HazMat teams, on-site forensic teams**

Transport Kit Portable FT-IR

A portable laboratory for materials identification



Portable

The Transport Kit is a compact and powerful portable Fourier transform infrared (FT-IR) spectrometer from Thermo Electron Corporation. This system is designed specifically for rapid response teams and portable laboratories. It is useful for analyzing samples at hazardous material sites, forensic scenes and clandestine labs. Local, state and federal entities that require the ability to quickly identify unknown materials will find the Transport Kit a valuable tool for on-site sample analysis.

Efficient

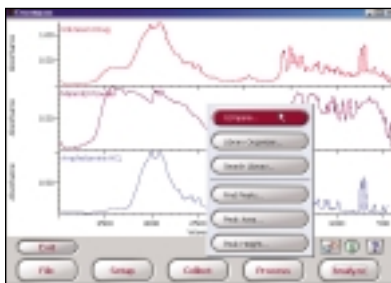
FT-IR is a powerful, multiple-component identification technique. It is non-destructive to the sample, preserving the evidence for further analysis. The Transport Kit offers a fast, efficient means of analyzing samples at the scene. It provides the ability to identify and screen samples that relate to the incident

for subsequent laboratory analysis. It is the only portable system on the market that includes all of the sampling accessories needed in a rapidly deployable system. When the call comes in, simply grab the unit and go, confident that you have the most powerful FT-IR sampling identification tool available.

Complete

Inside the rugged, hard-shell case is a powerful sample identification system, complete with all the tools necessary for successful field analysis. This compact system weighs just 32 pounds, yet delivers performance powerful enough to analyze the most demanding samples.

The Transport Kit contains an integrated computer and full-color display that eliminates the need to carry a laptop computer into the field. Set up of the system is as easy as powering up the instrument.



The software uses a simple interface that steps the user through the analysis

Robust

The Transport Kit has been optimized to operate in field environments. Our spectrometer has exceptional stability and reliability with the Corner Cube™ optical design. This design assures stable operation, even while operating in a wide range of temperatures. The optical compartment is sealed, providing moisture protection and worry-free operation in a variety of environmental conditions.

Intuitive

The Transport Kit runs Encompass™, an easy, yet complete software package that allows field personnel to collect infrared spectra of suspect materials, search for a match with our extensive database, including white powder substances and hazardous materials, and report the identification of the sample with confidence. All of this analytical power is available in a preprogrammed procedure on an intuitive software interface. Data storage is available on the system, and extensive storage is easily accomplished through the use of CompactFlash™ memory cards. CompactFlash cards are commercially available in a variety of data capacities, giving you unlimited storage potential that does not degrade over time.

Versatile

Every field location may have samples of various forms. With the Transport Kit there is no need to purchase additional sampling accessories. The Transport Golden Gate™ Diamond ATR accessory is optimized for fibers, solids, liquids, and powders. The sampling plate is easily removed for sample loading and decontamination.*

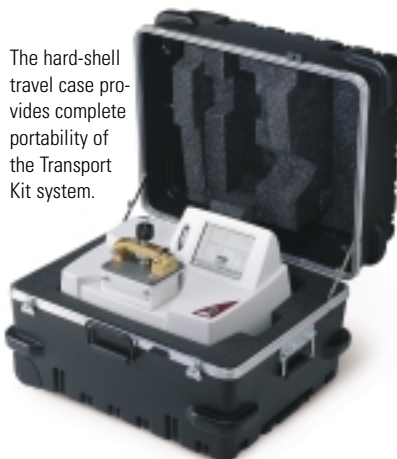
In addition, the Transport Kit comes with a transmission sampling module for traditional infrared sampling methods.

** This capability provides complete containment of the sample and eliminates the requirement of decontaminating your entire system.*



Transport Golden Gate sampling plate

The hard-shell travel case provides complete portability of the Transport Kit system.



Convenient

With the Transport Kit, there are a variety of power options. Inside the carrying case, you will find a portable battery that offers up to five hours of continuous operation. The battery recharges quickly to maintain the Transport Kit's operational readiness. For mobile use, a 12-volt inverter plugs into a vehicle's accessory power connector for extended operation. If standard AC power is available, the power supply accepts 85–240 volts AC.



Power options

Support

The Transport Kit has been designed to provide years of trouble-free service in the field. In addition, the Transport Kit offers customer replaceable optical and electrical components to maximize up-time. Moreover, Thermo's worldwide service support team stands ready, even at the local level, to return your system to operational readiness.

As a Thermo customer, you have access to the largest and most experienced field and technical support organization available in the industry. From customer education courses to technical telephone assistance and accessible field service, we are committed to providing you with superior customer support.

System Benefits

Integrated Instrument:

Fast and easy to set up; no additional cabling between computer and spectrometer is required

Multiple Power Supplies Included:

Five hours of portable power operation; extended mobile operation from vehicle 12-volt source

Hard-shell Travel Case Included:

Protects spectrometer and accessories during transport; can check as luggage for air travel

Spectral Range:

Complete mid-infrared range includes all of the information available for sample identification

Completely Integrated Software Package:

Easy-to-use, intuitive menu operation; all functions: data collection, database search, data manipulation, reports, printing and macro creation contained in one software package

Spectral Databases:

Comprehensive database collection with over 15,000 compounds, including white powder and hazardous materials

Decon Friendly:

Easily removable sampling plate contains the hazardous sample, thus eliminating the need to decontaminate your entire system.

System Specifications

Resolution: 16 to 1 cm⁻¹ standard

Spectral Range: 7800 – 375 cm⁻¹

Standard Accessories:

Transport Golden Gate Diamond ATR accessory, Transmission Module

Optional Accessories:

Compatible with Spectra-Tech's™ Foundation Series™ ATR Swap-Top™ Modules

Weight: 14.5 kg, 32 lbs

Warranty:

Standard CarePlan™, one year on-site



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