



The art of innovation



FTIR 7600 Fourier Transform Infrared Spectrometer is a top of a range analytical technique used to identify organic as well as inorganic materials.

FTIR 7600 is a single-beam Spectrometer with fast scan speed and high accuracy. This instrument is operated by a PC with user friendly software and a comprehensive manual. It is a valuable tool for various analytical applications in fields of industry, science and quality control. Different types of accessories are available to extend the functions, for example Sample cards; Liquid cells; Air cells; ATR and others.

Software

The FTIR-7600 is delivered with windows-based software that includes the following functions:

- File and Edit: open, save, print, copy, paste, delete, etc. and options—customized settings for spectral collecting, displaying, processing, saving and printing.
- Collect: configure measurement parameters (resolution, averaging, range...), real time display spectral results with options of different modes and settings, and diagnose component status.
- Process: spectral conversions (A/T, Log, K-M...), spectral operations (smooth, add, minus, multi, norm...), and spectral corrections.
- Analysis: find peak, label, compare with lib, define settings for spectral search, search lib (select lib, add new lib, make lib...), and display results.

Standard Configuration

Spectrometer	1
Power Supply with Power Cord	1
USB Cable	1
Screw Driver, 150 x 6mm	1
Allen Wrench, 2.5mm	1
Replacement Desiccant	1
Polystyrene Film	1
Software CD	1
User's Manual	1

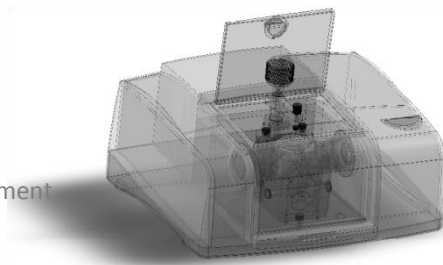
Infrared Spectrometer

Easy to use friendly software, fast scan speeds and high measurement accuracy all in one instrument!

See the invisible!

Features

- Easy sample preparation
- Powerful software
- Simple maintenance
- USB interfacing
- Spacious sample compartment
- CE certified
- Optional accessories



High Stable Optical System

- The design integrates main components to an optical bench machined from a cast aluminium. Highly stable and no need for adjustment, removing troubles of maintenance of optical path
- Precision machinery ensures high repeatability of every scanning. Advanced design concept is adopted in both optical path and every part
- The system's corner cube optics provides easy operation without requiring complicated electronics and additional moving parts. In addition, many components of the spectrometer are user replaceable which saves time over the lifetime of the instrument.
- Internal dynamic collimation system and movable mirror driving system keep the interferometer at optimum situation. Voice-coil driver and precision slide improves the ability of working in severe conditions.
- The spectrometer includes a container of desiccant that protects the beam splitter and other optical components from moisture damage.

Specifications

Wave Number Range	7800 ~ 375 cm ⁻¹
Resolution	1 cm ⁻¹
Signal-to-Noise Ratio	30000:1 (resolution@4 cm ⁻¹ ; scan for 1 min over 2100 cm ⁻¹)
Detector	High performance DLATGS
Beam Splitter	Coated KBr
Light Source	Long life, steady state infrared emitter
Electronic System	A/D converter of 24 bits at 500 kHz, USB 2.0
Power	110-220 V AC, 50-60 Hz
Dimensions	450 mm x 350 mm x 210 mm
Weight	14 kg

More information!

Ask our sales representatives for more information.

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