

FTIR-7600

FT - IR Spectrometer



- *Easy to Operate*
- *Powerful Software*
- *Easy Sample Preparation*
- *Simple Maintenance*
- *USB Interfacing*
- *Cost Effective*

FTIR-7600 is a single-beam Fourier-transform infrared 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 such as chemistry, medicine, food and beverage, wine industry, material engineering and quality process control.

The optical system is highly stable owing to the dedicated design as follows:

1. Highly stable optical bench with no need for adjustment or maintenance of optical path
2. Precision machinery ensures high scanning repeatability
3. Corner cube optics provides easy operation, removing complicated electronics and additional moving parts
4. Dynamic collimation system and movable mirror driving system keep the interferometer at optimum situation
5. Voice-coil driver and precision slide ensure the performance of the system under severe conditions
6. A container of desiccant that protects the beam splitter and other optical components from moisture invasion

Specifications

Wavenumber Range	7800~375 cm^{-1}
Resolution	1 cm^{-1}
Signal Noise Ratio	30000:1 (resolution@4 cm^{-1} , sample and background scan for 1 min@2100 cm^{-1})
Detector	High performance DLATGS
Beamsplitter	Coated KBr
Light Source	Long life, steady state infrared emitter
Electronic System	24bit A/D converter at 500KHz, USB 2.0
Power	100-240VAC, 50/60Hz
Dimensions	450mm x 350mm x 210mm
Weight	14 kg

Optional Accessories

Standard sample compartment allows many types of accessories to extend the functions of the spectrometer.

- Sample cards
- Liquid cells
- Air cells
- ATR
- Cuvettes

Parts Included

Description	Qty
Main Spectrometer	1
Power Supply	1
USB Cable	1
Power Cord	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
Software Manual	1