



FTIR Spectrometer

FTIR Spectrometer

FTIR Spectrometer LIR-A10

FTIR Spectrometer LIR-A10 is versatile, innovative, and intuitive, providing superior quantitative and qualitative information for routine analysis of solids, liquids, and gases. It has spectral range of 7800 to 350cm⁻¹ and high S: N ratios and can provide SNR up to 15000:1.

Features

- ▶ Compact highly advanced cube-corner Michelson interferometer provides higher stability and is highly sensitive to thermal vibrations
 - ▶ Viewable window for silica gel enabling easy observation
 - ▶ Isolated IR source and large space heat dissipation chamber
 - ▶ Wide sample compartment provides flexibility to accommodate various accessories
 - ▶ Model connected to PC via a USB port for automatic control and data communication
 - ▶ Various special IR libraries in which users can add and maintain the libraries or set up new libraries by themselves
 - ▶ Highly accurate A/D converter, programmable gain amplifier and embedded computer provides accurate and reliable system
 - ▶ Accessories such as Defused/Specular Reflection, ATR, Liquid cell, Gas cell and IR microscope can be mounted in the sample compartment
-

Applications

FTIR Spectrometer find application in the field of pharmaceuticals, forensic and drug testing, material testing and research, energy and fuels, biopharma, geochemistry, mining and metals.

FTIR Spectrometer

Specifications

Model No.	LIR-A10
Spectral Range	7800 to 350cm ⁻¹
Resolution	Better than 0.85cm ⁻¹
Wave number Precision	±0.01cm ⁻¹
Scanning Speed	5-step adjustable
Signal to noise ratio	Better than 15,000:1
Beam splitter	Ge coated KBr
Infrared Source	Air-cooled, high efficiency reflex sphere module
Detector	DTGS
Data system	Compatible computer
IR Library	11IR libraries
Dimension	540x520x260mm
Weight	28kg

List of optional accessories

- ▶ Diffuse/Specular Reflectance
- ▶ Horizontal ATR/Variable Angle ATR
- ▶ IR Microscope
- ▶ Single Reflection ATR
- ▶ Accessory for Determination of Hydroxyl in IR Quartz
- ▶ Accessory for Oxygen and Carbon in Silicon Crystal Determination
- ▶ SiO₂ Powder Dust Monitoring Accessory
- ▶ Component Testing Accessory
- ▶ Optic Fiber Testing Accessory
- ▶ Jewellery Inspection Accessory



Labtron Equipment Ltd.

**Sentinel House, Ancells Business Park,
Harvest Crescent, Fleet, GU51 2UZ, UK**

Tel: 01252 413773

www.labtron.com • info@labtron.com