

Fourier Transform Infrared Spectrometer

Specifications

Standard wavenumber measurement range:		7,800 to 350 cm^{-1} or wider
Wavenumber accuracy:		$\leq 0.02 \text{ cm}^{-1}$
Resolution:		0.5 cm^{-1} or lower
Optical system:		Fourier Transform Multi-Purpose
Sample Chamber:		
Interferometer:	Configuration:	Michelson interferometer auto-alignment mechanism, sealed structure
	Mirror coating:	Aluminium
	Beam Splitter	CsI/KBr
	Rapid scan:	Optional
Light source:		Standard: High-intensity ceramic source
Detector:		<i>DTGS or DLATGS (with Peltier temperature control)</i> InSb, InGaAs (Optional)
Signal to Noise Ratio		15000:1 at 5 s and 4 cm^{-1} scan 30000:1 at 60 s and 4 cm^{-1} scan
100 % T line flatness:		Within 100 $\pm 1.0\%$ T
Warranty		3 Years
Essential Accessories		Polystyrene Film with Wave Number Markings NaCl/KBr Windows with Mounting Frame Mechanical and Magnetic Pellete Holder Dedicated Software (Data Processing, Instrumental Operations, Spectral Storage and Comparison, etc)
Optional Accessories		Gas Cell (at least 5 cm path length) with suitable Detector Attenuated Total Reflection (ATR) Diffuse Reflectance Spectral (DRS) Accessory Evacuatable Die Assembly for KBr/CsI Pellete Aqueous Cell (ZnSe or any other) Agate Mortar and Pestle Demountable Liquid Cell IR Data Library (3000 spectra or more) AMC from 4th Year to 7th Year (to be Quoted in INR)

EMD: Rs. 15000

