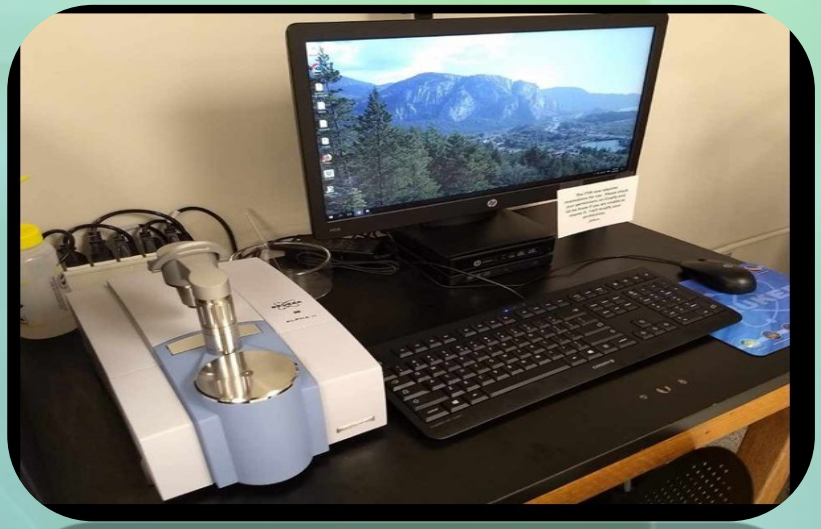
Fourier-Transform Infrared Spectroscope (FTIR)



Make: Bruker

Model : Alpha-II

Applications:

- The FTIR analysis method uses infrared light to scan test samples and observe chemical properties (such as Deformation of polymers, rubbers, and other materials), determination of functional groups and quantitative and qualitative analysis of test samples.
- Microanalysis of small sections of materials to identify cont. Monitoring of automotive or smokestack emissions Analysis of thin films and coatings. Quality control processes for incoming and outgoing materials.

Specifications:

- Spectrometer power: 20 W, 100 - 240 VAC, 50 - 60 Hz (low energy consumption)
- Spectral range: 4,000—400 cm^{-1}, with standard KBr beam splitter
- Resolution: 2-4 cm^{-1}
- Compact and resilient design.
- Easy adaptation to all sample types.

Method/Condition	Tariff for EE Dept.	Tariff for Other Dept. of NITW	External Academic (18 % GST Extra)	Industry (18 % GST Extra)
	Per Sample	Per Sample	Per Sample	Per Sample
Spectrum	₹ 50	₹ 100	₹ 250	₹ 1000