

Static FTIR

Real time Analysis, Handheld, High Performance

Product Description

The sFTIR spectrometer has been developed to be a high end solution for more demanding applications that require high speed, high spectral resolution and excellent SNR. The static FTIR spectrometer matches the performance characteristics of many laboratory based FTIR spectrometers but it is truly portable and does not require frequent calibration or maintenance. Like all our products the sFTIR does not contain any moving parts and provides real time analysis in the field.



Specifications

- Spectral range from 4000cm⁻¹ to 600cm⁻¹
- Spectral resolution 6cm⁻¹
- Spectral range and Spectral resolution can be customised
- Single shot SNR of 2000:1
- Option for real time background correction
- Speed up to 200 spectra per second
- ATR, Transmisison or open path configuration
- Compatible to SphinxSuite Software
- Dimensions: 26cm x 8cm x 7cm

Advantages

- Vibration tolerant
- Low cost of ownership
- Wide temperature range
- Very fast
- Real time correction of background variation

Performance

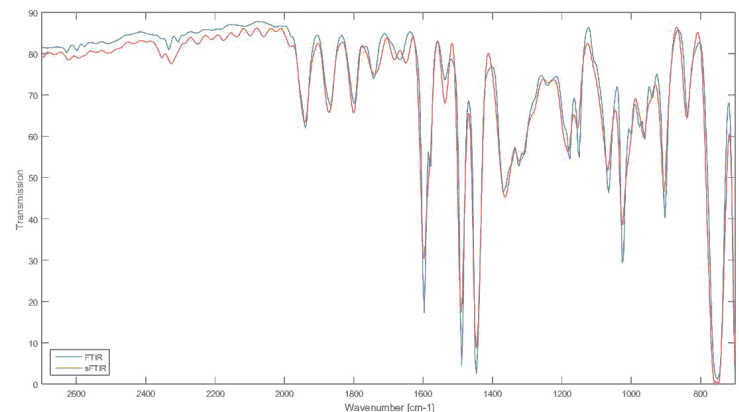


Diagram 1: Comparison of infrared absorption spectrum of polystyrene measured with traditional FTIR and static FTIR.

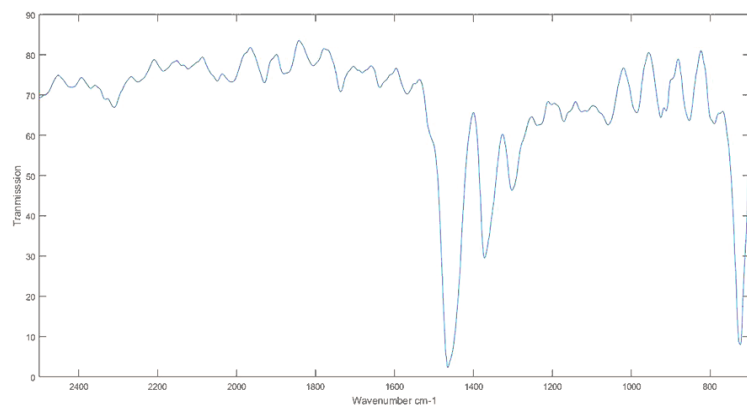


Diagram 2: Transmission spectrum of a plastic.