

FT-IR (Fourier Transform Infrared Spectrometer)

푸리에변환 적외선분광기

FT-IR (Fourier Transform Infrared Spectrometer) is an instrument for identifying molecular structure of small organic, small inorganic molecules, micro electronics, papers, textiles, electrical components, polymer coatings, fibers, metal surface, wafer impurity and other materials.

Model

iS 10 (ThermoFisher Scientific)

Specifications

- Sensitivity : S/N Ratio 35,000:1 (peak to peak)
- Resolution : 0.5 cm^{-1}
- Range : 6500 ~ 500 cm^{-1}
- Accessory : Attenuated total reflectance
- Diffuse reflectance

Applications

- Structural analysis of organic and inorganic molecules
- Structural analysis of polymers
- Characterization of components in microelectronics,
- Papers, textiles, electrical components, polymer coatings
- Fibers, adhesives, metal surface, wafer impurity and so on.



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