

FOURIER TRANSFORM INFRARED SPECTROSCOPY (FTIR)



Descriptions

The Nicolet iS5-IR Spectrophotometer is an FT-IR spectrometer integrates high-performance optics into a small, rugged package. This spectrometer is perfect for use in teaching laboratories, small industrial facilities, or dedicated use in global manufacturing facilities.

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Further Information

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Brand-Model

ThermoFisher

Basic Specifications

Spectral Range

– 7800-350 cm^{-1} optimized, mid-infrared KBr beamsplitter

Sensitivity (signal-to-noise ratio, 2200 – 2100 cm^{-1})

– 8000:1 peak to peak in five seconds

– 22,000:1 peak to peak in one minute

Spectral Resolution: better than 0.8 cm^{-1}

Equipment Website (Manufacturer)

<https://www.thermoscientific.com>

Types of samples

powder /solid

Location

Central Analytical Laboratory (01-25-01)

Operator

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