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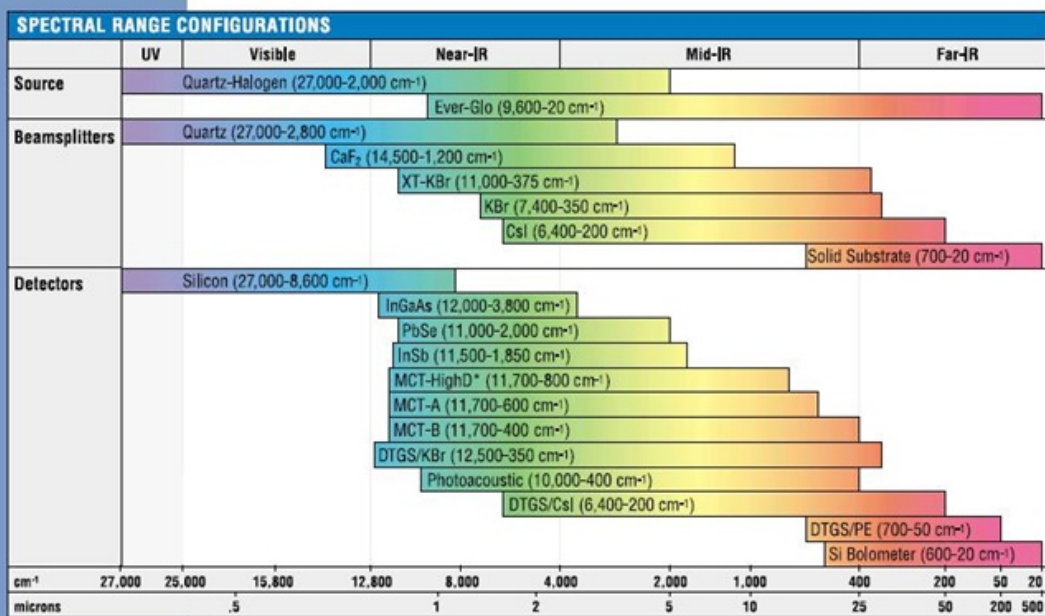
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Nicolet 6700 FT-IR Spectrometer

The Thermo Scientific Nicolet™ 6700 FT-IR spectrometer is a fully upgradeable, routine and advanced research FT-IR spectrometer focused on power and stability. Every facet of the Nicolet FT-IR spectrometer has been engineered to facilitate sample handling, introduce options to scientists, and increase laboratory throughput.

PRODUCTIVITY & EFFICIENCY



Product Detail

Most powerful FT-IR Spectrometer in the industry.

- Multiple spectral ranges
- High - intensity ETC Ever Glo Sources
- Optic resolution 0.09 cm⁻¹

The Nicolet 6700 spectrometer can be configured for multiple spectral ranges (far-IR to UV-Vis), with the option of gold-coated or aluminum optics. Its high-intensity ETC EverGlo* source sets new industry standards. The temperature of the source during normal operation is electronically controlled. Users have additional options of 'Rest' and 'Turbo' mode. The former helps to extend the life of the source, while the latter provides extra output for difficult samples. In combination with five external beam options, and the widest selection of detectors in the industry, the Nicolet FT-IR series are the most powerful FT-IR spectrometers available.

The spectrometer utilizes continuous dynamic alignment to ensure exceptional high-resolution lineshapes. Thermo is the only FT-IR manufacturer with the proven ability to upgrade from a basic system to a fully advanced research system. The advanced optics and electronics platform with USB 2.0 interface make Nicolet FT-IR spectrometers flexible in every sense of the word. Nicolet FT-IR components, including optics, are pinned-in-place, which ensures they are always in alignment as well as guaranteeing reproducibility, stability, and the ability to swap and replace components. Robust hardware, smart firmware, and user-friendly OMNIC™ software come together to create the most powerful tools for applying FT-IR solutions to chemical identification problems.

Its compact optical path minimizes beam pathlength and improves spectral performance by limiting the number of beam reflections, which translates into extremely reproducible results with no instrument drift. The spectrometer takes advantage of unique Smart System technology, which automates purge and optical component recognition. Sampling parameters, beam path, spectral range and experiment types are also automatically configured with the Nicolet FT-IR Series.

In addition to [Smart Accessories](#), the Nicolet FT-IR spectrometer is complemented by a full range of advanced sampling modules and accessories, including:

- [IR Imaging systems](#)
- [FT-IR microscopes](#)
- [FT-Raman modules](#)
- Hyphenated techniques: [GC-IR](#) and [TGA-IR](#)
- Gas analysis experiment modules
- [PEM modules: IRRAS, VLD and VCD](#)
- Photoacoustic accessory
- Microwell DRIFTS



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