

Bruker Optics TENSOR 27 FT-IR

Designed to provide versatility and high performance, the TENSOR series sets new standards in FT-IR laboratory analysis, offering a multitude of automatic features, easy operation and quality components. TENSOR Series FT-IR Spectrometer can rapidly identify, quantify and verify your routine samples. It combines the highest performance and outstanding flexibility with an intuitive and easy to operate interface.

Features:

- **Spectral Range:** 7,500 to 370 cm⁻¹ , with standard KBr beamsplitter
- **Resolution:** Better than 1 cm⁻¹ (apodized), optional better than 0.5 cm⁻¹ (apodized)
- **Wavenumber Accuracy:** Better than 0.01 cm⁻¹ @ 2,000 cm⁻¹
- **Photometric Accuracy:** Better than 0.1% T
- **Signal-to-Noise (Minimum):** 5 Sec: >6,000:1 (= <7.2*10⁻⁵AU noise) peak-to-peak, 4 cm⁻¹ resolution
- **Interferometer:** RockSolid™, Permanent aligned, high stability
- **Scan Speed:** 3 velocities, 2.2 - 20 kHz (1.4 - 12.7 mm/sec opd)
- **Detector:** DigiTect™ detector system, High sensitivity DLATGS
- **A/D Converter:** 24 bit
- **Validation:** IVU internal validation unit