

FT Raman spectrophotometer RFS 100/S, Bruker



Technical details:

- excitation source: YAG:Nd laser (1064 nm) 500mW, horizontally polarized (H)
- Michaelson interferometer: ROCKSOLID configuration, permanently aligned
- alignment excitation source: HeNe laser, 633 nm, 1mW
- Excitation radiation rejection: NOCH filter
- Detector: Ge-diode, cooled at liquid nitrogen temperature (77K)
- Acquisition &Control software: OPUS 5.5

Performances:

- spectral domain: 50-3600 cm^{-1} (Stokes shift), -100...-2000 cm^{-1} (anti-Stokes shift)
- resolution: 1 cm^{-1}

Experiment types:

FT-Raman

180° (back scattering) and 90° (right angle) measuring geometries

FT-Raman Microscope

180° (back scattering) measuring geometry