

FTIR INFRARED SPECTROMETER WITH CELL SPECIALIZED IN GAS AND BIOGAS ANALYSIS

FABRICANT : Perkin Elmer

MODÈLE : Spectrum

Characteristics

- Qualitative and quantitative analyses of gases and biogases
- Analyses in batch or continuous mode
- Two detectors: lithium tantalite and nitrogen-cooled HgCdTe
- Gas cell
- Range: 7800 to 40 cm^{-1}
- Resolution: 0.5 cm^{-1}
- Sensitivity: 0.1 ppm

Samples

- Gases and biogases (more than 400 identifiable gases)
- Analytic volume: 1 mL to 2.5 L
- Sensitivity: 100 ppb

Examples of applications

- Gas and/or biogas identification and quantification
- Evaluation of the photochemical decomposition of gases
- Evaluation of the purity of the methane generated by anaerobic digestion