

TG-IR



Model/Make : Perkin Elmer TGA 8000, Perkin Elmer TL 8000, and Frontier FTIR FIR

Purpose of Instrument :

Material Characterization by Thermal analysis & Spectral analysis for liquid and solid samples.

Application :

- Industrial - Competitive Analysis
- Food - Simplifies Sample Preparation
- Environment - Contaminated Soil
- Pharmaceutical - Residual Solvent
- Unknown Identification
- Decomposition Studies.

Specification :

| Perkin Elmer TGA 8000 | |
|------------------------------|------------|
| Maximum Temperature | 1200 °C |
| Minimum Temperature | 20 °C |
| Operating range | 20-1200 °C |

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| Perkin Elmer TL 8000 | |
| Maximum Temperature | 350 °C |
| IR cell Path length | 100 mm |
| Volume | 11.3 cm ³ |
| Silco steel coated copper tube | |
| Frontier FTIR FIR | |
| Depth | 60.0 cm |
| Detector type | DTGS (Deuterated Triglycine sulfate) |
| MIR Spectral range | 8300 – 350 cm ⁻¹ at a best resolution of 0.4 cm ⁻¹ |
| FIR Spectral range | 700 – 30 cm ⁻¹ at a best resolution of 0.4 cm ⁻¹ |
| Height | 30.0 cm |
| Operating range | 5 - 40 °C |