

## Thermo Gravimetric Analyzer (TGA)



**Model/Make** : Perkin Elmer TGA 4000

**Purpose of Instrument** :

To study the thermal degradation of the sample.

**Application** :

- Fuel characterization
- Polymer applications
- Storage materials
- Membrane technologies.

**Specification** :

TGA Balance Type	Top-Loading Balance
Temperature Range	Ambient to 1000 °C
Scanning rates	- 0.1 to 200 °C/min
Scanning Temperature Accuracy	±1 °C
Scanning Temperature Precision	±0.8 °C
Sample Temperature Precision	±0.3 °C @ 300 °C, ±0.5 °C @ 900 °C
Sample to Program Temperature Correlation	±0.5 °C @ 300 °C, ±1 °C @ 900 °C