

Thermogravimetric analyser

Description/Parameters

Thermogravimetric Analyzer TGA 701 (LECO) contains an easy-to-follow menu-driven software program that allows analysis methods to be tailored to satisfy most analytical applications. Temperature, temperature ramp rate, and atmosphere are selectable for each step. Analysis methods can be entered to perform moisture, volatile, ash, or other constituent analysis. Other menus allow on-screen plotting of sample weight loss and temperature. The key to the automated analysis capability is the multiple sample furnace. The 19-position sample LECO carousel and balance pedestal are located in the furnace. All weighing is performed automatically.

Utilization/Services

Thermogravimetric Analyzer is used to determine the composition of organic, inorganic, and TGA synthetic materials. It measures weight loss as a function of temperature in a controlled environment.

- Sample Mass: 1 gram (nominal).
- Number of Samples: 19 (+1 reference).
- Precision: 0.02% RSD.
- Balance: Resolution 0.0001 g.
- Oven Temperature: Ambient to 1000 °C.
- Temperature Control: heating rate up to 50 °C/min.
- Gas Flow Rate: Low 3.5 lpm, Medium Low 5.0 lpm, Medium 7.0 lpm, Medium High 8.5 lpm, High 10.0 lpm.

