

# TGA/SDTA 851 Thermal Analysis

## SPECIFICATIONS

Analytical instrument designed to monitor changes in weight and temperature in a sample of material as the temperature changes. The device includes an ultra-micro balance, a circulating liquid thermostat, its own thermal analyzer and a computer with special software for controlling the course of tests and their evaluation.



## MEASURING METHODS

Thermogravimetry - monitors changes in weight of material during an analysis. Differential thermic analysis - shows the thermal colour of ongoing processes. Both thermoanalytical methods run simultaneously according to the programmed temperature mode.

## OVERVIEW OF MEASURABLE PARAMETERS / OUTPUT INFORMATION

Thermogravimetry (TG) detects changes in weight and temperature DTA in a material sample as a function of changing temperature. Weight of analyzed material and temperature difference between measured material and SW standard. Solid and liquid materials. Weighing in units of up to tens of milligrams. In various environments up to 1100 °C.

## TYPES OF SAMPLES SUITABLE FOR ANALYSIS / MEASUREMENT CONDITIONS

Solid and liquid materials. Weighing in units of up to tens of milligrams. In various environments (oxidative, non-oxidative) up to 1100 °C.