VSB TECHNICAL UNIVERSITY OF OSTRAVA | FACULTY OF SAFETY ENGINEERING

TGA/DSC2 Thermal Analysis

SPECIFICATIONS

Analytical instrument. Monitoring changes in mass and heat balance in a sample of material at changing temperatures. 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

Thermogravimetric analysis and differential scanning calorimetry.

OVERVIEW OF MEASURABLE PARAMETERS / OUTPUT INFORMATION

Change in mass and change in thermal colour of ongoing reactions. Melting point, phase transitions, exo / endothermic decomposition phases, non-combustible residue and more.

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 a temperature of 1600 °C.

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