

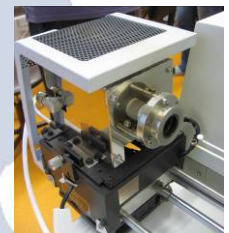


Research division: Biologically-active complexes and molecular magnets

Thermic analysis - TG, DTA and DSC methods

We offer contract thermic analysis [methods: thermogravimetry (TG), differential thermic analysis (DTA) and differential scanning calorimetry (DSC)] of solid and liquid substances and their mixtures, including interpretation of measured data.

- measuring simultaneous TG/DTA thermic analysis
 - thermic analyser Exstar TG/DTA 6200 (Seiko Instruments)
 - temperature range: from laboratory temperature up to 1100 °C (temperature programme from up to six separate steps)
 - temperature gradient: 0.01–200.00 °C/min
 - atmosphere: static or dynamic (air, nitrogen, argon; flow max. 1000 ml/min)
 - studied material is placed in platinum (or other) crucibles (0.04 or 0.095 ml)
- DSC measuring
 - thermosystem DSC12E from Mettler Toledo company
 - temperature range: 10–400 °C
 - atmosphere: static or dynamic (air, nitrogen, argon; flow max. 1000 ml/min)
 - studied material is placed in aluminium crucibles (0.025 ml)
- determination of weight losses, thermic stability of substances and materials, temperatures of phase transformations
- studying products of e.g. chemical, pharmaceutical or food industry



SII 
Seiko Instruments USA Inc.

METTLER TOLEDO


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