

TGA/DSC

Apparatus: Simultaneous Thermal Analyzer (PerkinElmer STA 6000)

Description: This TGA-DSC is manufactured by PerkinElmer. The model is Simultaneous Thermal Analyzer (PerkinElmer STA 6000). It is capable of measuring the weight change while monitoring the heat effect happening on the samples under desired gas environment such as N₂, O₂, CO₂ and CH₄. Heating up rate up to 200 °C/min.

- Simultaneously determines sample mass change (TG) and heat flow change in DTA (delta T) mode or DSC mode (mW)
- Temperature accuracy <math>< \pm 0.5\%</math>; temperature reproducibility <math>< \pm 0.5\%</math>
- Calorimetric data: accuracy/precision, $\pm 2\%$ (based on metal standards)
- Balance resolution: 0.1ug
- Balance measurement range: 1500 mg
- Temperature range: 15~1000 °C

Charging Standard (Per sample):

\$50 (Internal) \$70 (External academic) \$100 (Industry user)

Current Situation:

It is currently not available. Repairing is in process. Another TGA-DSC manufactured by Mettler Toledo will also be available soon.

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