

SKZ1055B Differential thermal analyzer



Differential thermal analysis: temperature under program control, the relationship and difference of temperature between the measured material and the material and the reference.

The DTA curves is to describe the changing relationship depending on temperature and time between the measured material and the reference compound. During the test, the sample temperature changes due to the phase change or an endothermic or exothermic reaction effects. For example: the phase transition, melting, changing the crystal structure, boiling, sublimation, evaporation, dehydrogenation, cracking or decomposition reaction of oxidation or reduction reaction, destroy the lattice structure.

Technical parameters:

- 1 . Temperature range : room temperature ~ 1150 °C
- 2 . Measure Range : 0 ~ ± 2000μV
- 3 . DTA Accuracy : ± 0.1μV
- 4 . Heating rate : 1 ~ 80 °C / min
- 5 . Temperature Resolution : 0.1 °C
- 6 . Temperature accuracy : ± 0.1 °C
- 7 . Temperature Repeatability : ± 0.1 °C
- 8 . Temperature control: Heating : process control parameters can be adjusted as required
Cooling : air-cooled process control
Thermostat : Programmable thermostats, can be set time
- 9 . Furnace structure : body with the lid structure, instead of the traditional lift furnace
- 10 . Air-flow control : gas flow meter (Optional) , the atmosphere converter
- 11 . Data interface : standard USB interface cable and operating software
- 12 . Host Display : 24bit color 7-inch LCD touch- screen display
- 13 . Parameter Standard : equipped with the standard, with a calibration function key , the user can calibrate the temperature
- 14 . Baseline Adjustment: Users can adjust by baseline slope and intercept
- 15 . Power Supply : AC 220V 50Hz