

SKZ1060 Synchronous Thermal Analyzer



Synchronous thermal analyzer combines TGA (Thermogravimetric Analysis) with DTA (Differential Thermal Analysis) or DSC (Differential Scanning Calorimetry), can get the test data of TG and DTA or DSC in synchrony using the same sample during the same operation.

DSC: Melting and crystallization, phase change, reaction temperature and heat, heat of combustion and specific heat capacity

TG: Thermal stability, decomposition, REDOX, adsorption and adsorption, free water and gesso content, ingredients proportion computation

Technical parameters:

1. Temperature range: Room temperature ~1150°C (Optional 1350°C)
2. Temperature resolution: 0.1 °C
3. Temperature fluctuation: $\pm 0.1^\circ\text{C}$
4. Heating rate: 1 -- 80 °C/ min
5. Temperature control mode: Temperature rise/fall and constant
6. Constant temperature time : 0--300min, Can be set arbitrarily
7. Cooling time: 15min (1000°C~100°C)
8. Scale Capacity: 1mg---2g (Optional 5g)
9. DSC measuring range: 0--- $\pm 500\text{mW}$
10. DSC Resolution: 1 μW
11. Resolution: 1 ug
12. Constant temperature time: 0 --300min Can be set arbitrarily
13. Display: 24 bit color, 7 inches LCD touch screen display
14. Atmosphere: Inertia, oxidability, reducibility, static and dynamic
15. Atmosphere device: Built-in gas flow meter
16. Software: record TG curves automatically, Processing data and print out
17. Data interface: USB
18. Power: AC220V 50Hz