# SDTGA6000A Thermogravimetric Analyzer

Dimensions: 550mm*590mm*530mm
Weight: 70kg

## Application

SDTGA6000A can be used to determine the moisture, ash, volatile matter, LOI (loss on ignition) as well as calculation of fixed carbon and calorific value in coal, coke, solid wastes and other solid biomass fuel.
It can also be used for the calculation of carbon content in fly ash and clinker.

## Conformance to Standards

- ASTM D7582 Standard Test Methods for Proximate Analysis of Coal and Coke by Macro Thermogravimetric Analysis.
- ASTM D8339 Standard Test Method for the Analysis of Flue Gas Desulfurization Solids by Macro Thermogravimetric Analysis.
- ASTM C311/C311M Standard Test Methods for Sampling and Testing Coal Ash or Natural Pozzolans for Use in Concrete.

## Specification

| | |
|---|---|
| Test index | Moisture, ash, volatile matter and LOI |
| Standards | ISO11722, ISO1171, ISO562, ASTM-D3173 / D3174 / D3175 / D7582 |
| Precision | 0.02% RSD |
| Furnace | One furnace for moisture, volatile matter and ash |
| Furnace temperature | Room temperature~1000℃ |
| Temperature control precision | ±2℃ |
| Temperature resolution | 0.1℃ |
| Control Units | 2 units / 1 computer available |
| Balance Resolution | 0.0001g |
| Max. Samples | 19 samples + 1 blank sample position |
| Quantity of sample / test time | Full indexes for 19 samples< 120 min (Quick method) |
| Sample weight | 0.5-1.1g |
| Max. Power | 4kW |

## Highlights

- 19 samples can be loaded once + 1 blank sample position for analyzing the moisture, ash and volatile matter.
- Unique sample weighing mode, single sample or batch sample weighing are both available, makes the operation convenient.
- Automatic temperature calibration function is available.
- Flexible software design, test procedure, analysis time, temperature etc. can be customized.
- LED displays on furnaces to show real-time balance weight data, it makes the sample weighing more convenient.
- Single and dual furnace configurations available.