SDTGA6000A

Thermogravimetric Analyzer

Proximate Analyzer

About us

Leading Solution Provider of
Solid Fuel Quality Control

Sampling » **Sample Preparation** » **Analysis**

Production Line

Meeting Room

R&D

Lab

Why us?

28 Years
Experience

No.1
Market share in China

40+
Countries overseas
sales network

6000+
Customers all
over the world

15000+
Units sold
altogether

300+
Patents acquired

30000㎡+
Production area

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. It meets the standards of ISO11722, ISO1171, ISO562, ASTM-D3173 / D3174 / D3175 / D5142 / D7582.

Highlight

01

Pneumatic mechanism driving automatic lid open&close, 19 samples can be loaded once + 1 blank sample position on ceramic carousel 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.
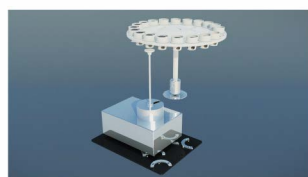
02

LED displays on furnaces to show real-time balance weight data, it makes the sample weighing more comfortable. Convenient for the sample weighing and improving the working efficiency.
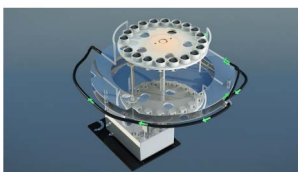
03

The internal analytical balance in the instrument is equipped with automatic correction function in weighing result accurate and reliable, it meets ASTM and ISO standard.

04

Automatic temperature calibration function is available. Flexible software design, test procedure, analysis time, temperature, gas and gas flow rate etc. can be customized. Cooling from 750 degrees to room temperature is within 90min.

Specification

Description	Specification
Test index	Moisture, ash, volatile matter and LOI
Conformance with the Standard	ISO11722, ISO1171, ISO562, ASTM-D3173 / D3174 / D3175 / D5142/ D7582
Precision	0.02% RSD
Furnace	One furnace for moisture, volatile matter and ash
Furnace Temperature	Room temperature~1000℃
Temperature Control Accuracy	±2℃
Temperature Resolution	0.1 ℃
Temperature Stability	±2°C
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 up to 5g
Max. Power	4kW
Furnace Heating	Resistance Wound
Temperature Calibration Power	Standard Thermocouple
Requirment	220V(-15% ~ 10%),50/60Hz
Gas Requirement	Air/Nitrogen/Oxygen
Gas Pressure	Air 5 to 6 bar (75 to 90 psi)
Minimum Gas Purity	Air/Nitrogen/Oxygen 99.5%; dry, oil-free
Sample Weighing	Under normal temp.
Humidity	<80%
Operational Control	Windows®-based software on external PC/Windows7/ WindowsXP
Advance Calculation	Yes
Analysis Report	Yes
Statistics Report	Yes
System Monitor	Yes