

Thermogravimetric analyzer TGA-1300

Thermogravimetric analysis (TG, TGA) is to observe the change of sample quality with temperature or time in the process of heating, constant temperature or cooling, with the purpose of studying the thermal stability and composition of materials. It is widely used in research and development, process optimization and quality control of plastics, rubber, coatings, pharmaceuticals, catalysts, inorganic materials, metal materials and composite materials.



Main feature

- Built-in one millionth high-precision balance, good stability and repeatability.
- The dish-type balance is used to ensure complete sealing and 100% gas collection.
- Curie point temperature calibration is adopted, which is more accurate.
- Built-in digital mass flowmeter, automatic and fast gas switching, fast and stable.
- After the experiment, the buzzer will remind you and the data will be saved automatically.
- Seven-inch LCD display, the map and curve are clear at a glance.
- The software is suitable for computers with different resolutions and can be upgraded online for free.
- Support the user's self-programming program and realize the full automation of measurement steps.
- Temperature compensation is adopted to reduce baseline drift.

Technical parameter



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TG range	0~1000mg	TG resolution	0.1ug
TG accuracy	±2ug	temperature range	Room temperature - 1300°C
heating rate	0.1-50°C/min	temperature resolution	0.01°C
Temperature accuracy	±0.1°C	Temperature repeatability	±0.1°C
Curve scanning	Heating scanning	Temperature control mode	Full automatic control
trade sample	Ni/Fe	Atmosphere control	Gas mass flowmeter
display mode	24bit color, 7-inch touch screen	working power supply	AC220V 50Hz/60Hz
Overall dimension (w*d*h)	30*38*70cm	Net weight	40KG
Packing size (w*d*h)	48*40*80	Gross weight	60KG
Computer configuration requirements	Minimum hardware configuration <ul style="list-style-type: none"> • Celeron dual core • 2GB system memory • Resolution 1366*768 pixels or higher. • Hard disk 500G 	Minimum software configuration <ul style="list-style-type: none"> • Win10/Win11 • Adobe PDF reader 	

Parts list

serial number	name	quantity
1	Balance main engine	1 set
2	Balance controller	1 set
3	Working program CD	1 piece
4	Software encryption dog	1
5	Cooling fan (with power supply)	1
6	Power cable	3 pieces



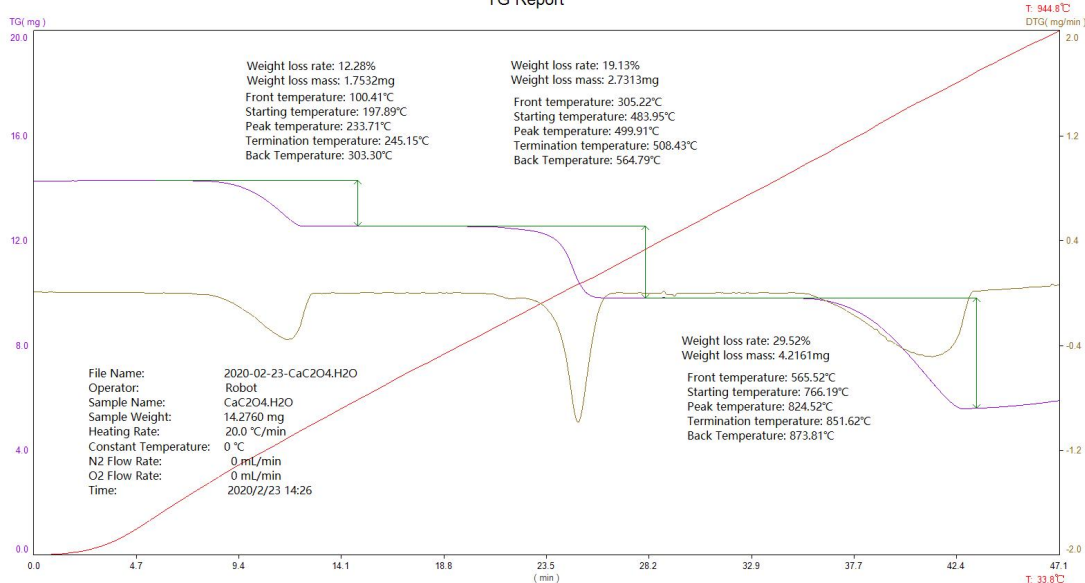
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7	USB cable	1 root
8	Glass tube fuse (5A)	4.
9	tweezers	1 branch
10	Sample spoon	1 branch
11	certificate	1 copy
12	Ventilation joint	4.
13	Alumina crucible (ϕ Φ 5×4 mm)	400
14	Left hanging basket	2
15	Right hanging basket	1
16	hang spring	4 pieces
17	boom	3 pieces
18	Standard samples (Ni, Fe)	Each 1
19	calcium oxalate	1g
20	100mg lap code	1
21	Calibrator	1 set
22	Instructions	1 copy
23	Ventilation plastic pipe (blue)	3 meters
24	Ventilation plastic pipe (orange)	3 meters
25	Phillips screwdriver	1
26	A screwdriver	1
27	handkerchief	1
28	banister brush	1 branch
29	Pressure reducing valve connector	two



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TG Report





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