EXPERIMENTAL EQUIPMENT
LABORATORY TEST EQUIPMENT SERIES







Product Features

- ☑ The heating of the furnace body adopts double-row windings of precious metal nickel-chromium alloy wires. Reduce interference and be more heat-resistant.
- ☑ The software and the instrument communicate bidirectionally via USB, fully realizing remote operation.
- ☑ 7-inch full-color 24-bit touch screen, better human-machine interface.
- ☑ The signal acquisition circuit can simultaneously collect the TG signal and the temperature T signal

Product Introduction

STA is used to observe the mass changes of samples at temperature or over time, with the aim of studying the thermal stability and composition of materials. It is widely applied in the research and development, process optimization and quality inspection of fields such as plastics, rubber, coatings, pharmaceuticals, catalysts, inorganic materials, metal materials and composite materials.

Technical parameters

Model	JD-STA-200	JD-DSC300	JD-DSC300C
Temperature range	Room temperature to 1200℃	Room temperature to 600℃	-40℃~600℃
Temperature resolution	0.01℃	0.001℃	
Temperature fluctuation	±0.1℃	±0.01℃	
Temperature control mode	Temperature rise, constant temperature, temperature drop		PID temperature control Temperature rise and constant temperature (Fully automatic program control)
Programme control	Achieved through cooling Multi-level temperature control	/	
Measuring range of balance	0.1mg to 2g, expandable to 5g	/	
DSC Range	0~±600mW		0~±800mW
DSC Resolution	0.01mW	0.01μW	
Constant Temperature Time	Arbitrary setting	/	
Software	It can be changed to differential Display, differential heat	/	
Data Interface	Standard USB interface		
Power supply	Ac 220V 50Hz		
Display Mode	24-bit color, 7-inch LCD touch screen display		
Temperature repeatability	/	±0.01℃	±0.1℃
Temperature rise rate	0.1-100℃ per minute		0.1-100℃/ min, 0.1-20℃/ min
Accuracy of the weighing system	0.01mg	/	
Airflow rate	/	0-300ml per minute	
Air pressure	/	0.2MPa	0.3MPa