



STA SYNCHRONOUS THERMAL ANALYZER

QualiSTA Series

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The QualiSTA Series Synchronous Thermal Analyzer (TGA, DSC) is an advanced technique designed to monitor changes in a sample's characteristics with temperature or time during heating.

This analyzer is instrumental in examining factors such as moisture content, ash residue, volatile substances, and both exothermic and endothermic properties. Its primary objective is to assess the thermal stability and composition of various materials.

Widely utilized in research, process optimization, and quality control, the QualiSTA Series serves a diverse range of industries, including plastics, rubber, coatings, pharmaceuticals, catalysts, inorganic substances, metals, and composites.



FEATURES/ADVANTAGES

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Durable and Corrosion-Resistant Design: Metal alloy wire wound in double rows ensures a wide testing range and high corrosion resistance.
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High Stability Weighing System: Equipped with an imported system that maintains sealing and constant temperature, ensuring precise measurements.
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Efficient Operation and Heat Management: Features an open top structure for easy use, double layer insulation to minimize heat loss, and PID control for precise heating.
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Advanced Software Integration: Allows for parameter adjustment, operation cessation, and multi-segment settings programming via dedicated computer software.
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User-Friendly Interface: Includes a 7-inch full-color 24-bit touchscreen for enhanced human-machine interaction.

TECHNICAL SPECIFICATIONS

Model	QualiSTA-200	QualiSTA-200H
Temperature range	RT~1200 °C	RT~1550°C
Temperature resolution	0.01°C	
Temperature fluctuations	±0.1°C	
Heating rate	0.1~100°C/min	
Temperature control method	PID algorithm control, heating, constant temperature, and cooling	
Scale measurement range	0.01mg~3g, can be expanded to 30g	
Program control	Implement multi stage temperature rise control	
DSC range	0 ~ ±600mW	
DSC Resolution	0.001mW	
Weighing system accuracy	0.01mg	
Display method	24bit color, 7-inch LCD touch screen display	
Atmosphere device	Built in gas flow meter	
Atmosphere	Inert, oxidizing, reducing, static, dynamic	
Software	Intelligent software can automatically record TG curves for data processing	
Curve scanning	Heating scanning, cooling scanning	
Power Supply	AC220V 50Hz or 60Hz or customized (110V also available) / There is an isolation shield between the power supply and weighing system	
Operating software	Switchable testing	
Communication interface	USB communication	



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Contact us for your nearest regional sales office, service center or distributor.

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