

THERMOGRAVIMETRI C ANALYSIS



THERMOGRAVIMETRIC ANALYSIS

Thermogravimetric analysis is a technique that measures the mass changes in the sample as a function of temperature under the controlled atmosphere. The equipment consists of a furnace to control the heat while a balance to measure the changes in the weight of the sample. TGA has a broad range of applications which includes determining the composition of complex molecules (polymers, composites, etc.), evaluating thermal stability, and measuring the moisture & volatile content of the sample.

LTTAN19-1 THERMOGRAVIMETRIC ANALYSIS

Industrial level widescreen touch structure is rich in information, including setting temperature, sample temperature,

oxygen flow, nitrogen flow, differential thermal signal, various switch states, etc

Use the gigabit network line communication interface, the universality is strong, the communication is reliable

without interruption, supports the self-recovery connection function.

The furnace body is compact, temperature rise and fall speed adjustable

Water bath and heat insulation system, insulation high temperature furnace body temperature on the weight of the balance.

Improved installation process, all adopt mechanical fixation; The sample support rod can be replaced flexibly and crucible can be matched with various models according to the requirements, so that users can have different Requirements

SPECIFICATIONS

Model	LTTAN19-1
Temperature Range	RT-1250°C
Temperature resolution	0.01°C
Cooling rate	0.1°C/min-30°C/min (When more than 100°C, Cooling rate Constant temperature can lower the temperature RT-1250°C at a cooling rate)
Temperature Fluctuation	±0.1°C
Heating Rate	0.1-80°C
Constant Temperature	RT-1250°C
Duration of constant temperature	0-300min (When more than 1000°C, the duration recommended to be less than 30 mins)
Balance measurement range	2g (optional range 10g, 50g, etc.)
Temperature Control mode	PID temperature control
Gas control	Nitrogen, Oxygen (automatic switching)
Weight resolution	10.0.01mg (optional other resolution 1ug, 0.1ug, 0.01ug,etc.)
Machine Size	0 cm*44cm*42 cm, 50kg (65kg, with the outer packing)
Standard Crucible size	10 mmx 6mm
Communication method	13.Gigabit gateway Communication methods
Power	12.1000W, AC220V 50Hz or customize other standard power sources



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