

**LD-LTGA-A11**

**Automatic Thermogravimetric Analyzer**



# Automatic Thermogravimetric Analyzer LD-LTGA-A11

Automatic Thermogravimetric Analyzer LD-LTGA-A11 is a high performance, efficient unit designed to study decomposing process, adsorption and desorption, oxidation and reduction, ingredients quantitative analysis, moisture and volatiles, reaction kinetics of materials. It has Built-in gas flow meter, includes two-way gas and controlled flow volume. It has top-opening structure, easy to operate. Heat insulation for heating furnace body, chassis and micro-thermal balance.

## Features

- 7-inch LCD touch screen. TG calibration can be achieved on the touch screen
- Furnace body is heated by double-row winding of precious metal nickel-cadmium alloy wire
- Tray sensor is made of precious metal alloy wire which is temperature, oxidation and corrosion resistant
- Uses imported ARM processor for faster sampling speed, processing speed
- Four-channel sampling AD collects TG signal and temperature T signal
- Multi-stage heating and constant temperature
- USB two-way communication is adopted between the software and the instrument
- Parameter settings, operation and to stop working of the instrument can be done through the computer software

## Applications

Widely used in the research and development, process optimization and quality control of plastics, rubber, coatings, pharmaceuticals, catalysts, inorganic materials, metal materials and composite materials.

## Specifications

Model No.	LD-LTGA-A11
Temperature Range	Room temperature to 1150 °C
Temperature Resolution	0.01 °C
Temperature Fluctuation	±0.01 °C
Heating Rate	0.1 to 100 °C / min
Cooling Time	15min (1000 °C to 100 °C), Natural cooling
Balance Measuring Scope	1mg to 3g, can be expanded to 50g
Sensitivity	0.01mg
Constant Temperature and Time	0 to 300 min (set arbitrarily)
Temperature Control Mode	Rising temperature, Constant temperature
Software	Record TG curves automatically, Processing data and print
Data Interface	USB interface
Power	AC 220V 50Hz
External Dimension	500 x 400 x 430 mm