

# DIFFERENTIAL THERMAL ANALYZER LTANA8-1



# DIFFERENTIAL THERMAL ANALYZER LTANA8-1

A Differential Thermal Analyzer commonly known as a DTA analyzer, is used to identify and analyze the chemical composition of a sample by heating it at a particular temperature and recording the changes in behaviour of the sample. The difference between the temperatures and heat flow between the phase transitions of the sample and reference is monitored against time. DTA is widely used in metallurgy, food testing, pharmaceuticals, cement chemistry, and environmental research.

Also known as DTA Analyzer.

## LTANA8-1 DIFFERENTIAL THERMAL ANALYZER

The main control chip of the instrument adopts Cortex-M3 core ARM controller, which has faster operation speed and more accurate temperature control.

USB two-way communication makes the operation more convenient.

Adopt 7 inch 24bit color LCD touch screen, the interface is more friendly.

Adopt Ni Cr alloy sensor, more resistant to high temperature, corrosion and oxidation.



## SPECIFICATIONS

Model	LTANA8-1
Display	24 bit color 7 inch LCD touch screen display
Temperature Range	Room temperature ~ 1150 °C
Measuring Range	0~±2000 μV
DTA Precision	±0.1 μV
Heating Rate	1 ~ 80°C/min
Temperature Resolution	0.1°C
Temperature Accuracy	±0.1°C
Temperature Repeatability	±0.1°C
Temperature Control	
Cooling Temperature	program control
Constant Temperature	air-cooled program control
Body Structure	Use the structure of the cover to replace the traditional lifting furnace, with high precision and easy operation
Atmosphere Control	(optional) gas flow meter, atmosphere conversion device
Data Interface	standard USB connector, supporting data line and operating Software
Parameters of Standard	Equipped with reference substances, with a keycalibration fuction (User can correct the temperature)
Baseline Adjustment	Users can adjust the baseline by changing baseline slope and intercept
Work Power	AC 220V 50Hz



**Labtare Analytical Instruments**

Email: [info@labtare.com](mailto:info@labtare.com) | Website: [labtare.com](http://labtare.com)