



Differential Thermal Analyzer FM-DTA-A100

Overview

Differential Thermal Analyzer FM-DTA-A100 comes with a furnace body with lid design. It records absorption or emission of heat, physical and chemical changes occurred in a sample with respect to a reference inert material at different phase transitions such as crystallization, melting and sublimation etc. The DTA curve states the changes in phase transition depending on time and temperature.

Specifications :

Temperature range	RT to 1150°C
Measurement range, DTA precision	0 to 2000 μ W, - 0.1 μ W
Sample analyzed	Solid and liquid Sample
Heating speed	1 to 80°C/ min
Temperature resolution	0.1°C
Temperature accuracy	- 0.1°C
Temperature repeatability	- 0.1°C
Air cooled program control	Built-in speed fan next to furnace body
Atmosphere control	Built-in gas flowmeter (250ml/min maximum)
Display	24 bit color 7 inch LCD touch screen display
Data interface	USB connector, supporting data line, operating software
Power consumption	d 2000 W
Power supply	AC 220 V, 50 Hz

Features :

- Solid and liquid sample analysis
- Temperature range RT to 1150°C (FM-DTA-A100)
- Measurement range 0 to 2000 μ W
- User can adjust baseline slope and intercept
- Built-in speed fan to reduce temperature outside furnace body
- Tests relationship between test and reference sample
- Microprocessor controlled technology to control temperature

Applications :

Differential thermal analyzer is used in material characterization across analytical chemistry, metallurgy, pharmaceutical industry, food, environmental, fields research and testing.

Accessories Optional :

Accessories no	Name	Details
1	Aluminum Crucible	Inner diameter 5 × 5 mm, Temperature < 600°C
2	Ceramic Crucible	Inner diameter 5 × 4 mm, Temperature < 1600°C