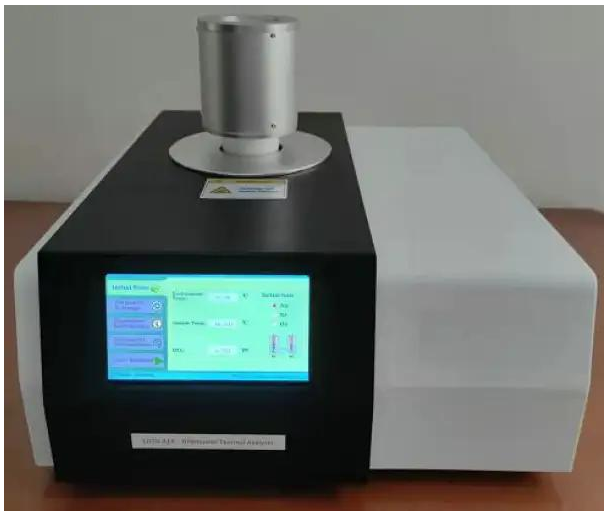
BIOLAB

PRODUCT CATALOG



COLORIMETER BDSC-109

CE ISO9001 CERTIFIED

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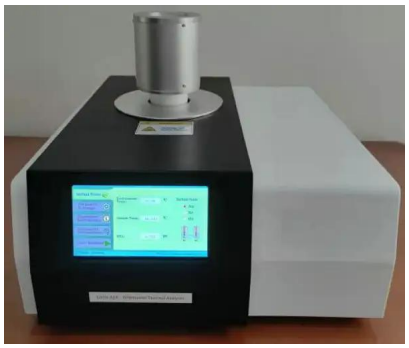
COLORIMETER BDSC-109

DIFFERENTIAL SCANNING CALORIMETER

DSC is designed to determine the inner heat transition relating to temperature and heat flow, It has a wide range of applications, especially in material research and development, performance testing and quality control. Material characteristics: such as glass transition temperature,cold crystallization, phase transition, melting, crystallization, thermal stability, oxidation induction period, oxidation induction temperature, specific heat capacity, curing / crosslinking are all areas of DSC research and development.



1. New designed oven structure ensures high resolution and good stability of base line;
2. Air flow meter may control the air flow rate accurately; the test data can be recorded into the database directly;
3. The instrument is bilateral control, may be controlled by both main frame and software. User-friendly interface, easy operation.
4. Using Cortex-M3 kernel ARM controller, faster processing speed, more temperature control.
5. USB two-way communication, more convenient operation.
6. Adopt a 7 inch 24bit full-color LCD touch screen, more friendly interface.
7. Using a professional alloy sensor, more corrosion resistance, oxidation resistance.

SPECIFICATIONS

Model	BDSC-109
DSC range	0 ~ ±600 mW
Temperature range	Room temperature ~ 600°C
Heating rate	0.1 ~ 100°C/min
Temperature resolution	0.01°C
Temperature fluctuations	±0.01°C
Temperature repeatability	±0.1°C
DSC noise	0.01 μW
DSC resolution	0.01 μW
DSC accuracy	0.01 mW
DSC sensitivity	0.001 mW
Control mode	Rising temperature, constant temperature (full automatic programmed control)
Curve scanning	Rising scan, Cooling scan
Atmosphere control	Automatic switching
Display	24-bit, 7-inch LCD touch screen display
Data interface	Standard USB connector
Parameter standard	Equipped with standard material, with key calibration function - user can correct temperature and heat enthalpy
Alt Name	Differential scanning calorimeter

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