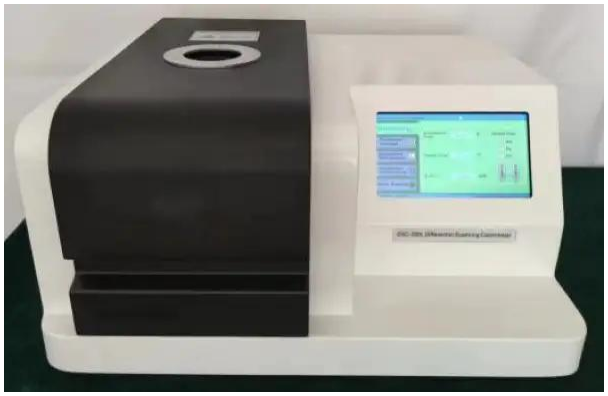
BioLAB

PRODUCT CATALOG



COLORIMETER BDSC-107

CE ISO9001 CERTIFIED

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COLORIMETER BDSC-107

DIFFERENTIAL SCANNING CALORIMETER

The DSC is a touch screen type, which can be used for glass transition temperature test, phase transition test, melting and enthalpy test, product stability and oxidation induction period test.Wide range of application.

1. Industrial grade 7-inch touch screen with rich display information.
2. New metal furnace structure, better baseline and higher accuracy. Indirect conduction
mode is adopted for heating, which has high uniformity and stability, reduces pulse radiation, and is superior to the traditional heating mode.
3. USB communication interface has strong universality, reliable and uninterrupted communication, and supports self recovery connection function.
4. Automatic switching of two-way atmosphere flow, fast switching speed and short stability time. At the same time, one protective gas input is added.
5. The software is simple and easy to operate.
Furnace structure
Melting point, heat enthalpy, phase change temperature analysis :

SPECIFICATIONS

Model	BDSC-107
Temperature range	-40℃ ~ 600℃
Temperature resolution	0.01℃
Temperature fluctuation	±0.01℃
Temperature repeatability	±0.1℃
Heating rate	0.1 ~ 100℃/min
Cooling rate	0.1 ~ 20℃/min
Constant temperature time	Program setting ≤ 24h
Curve scanning	Heating scan, Cooling scan
DSC range	0 ~ ±800 mW
DSC resolution	0.01 μW
DSC accuracy	0.001 mW
Temperature control mode	Heating, constant temperature, and cooling
Working power supply	AC 220V 50Hz or customized
Atmosphere control gas	Nitrogen, oxygen (instrument automatic switch)
Gas flow	0 ~ 300 mL/min
Gas pressure	0.3 MPa
Display mode	24-bit color, 7-inch LCD touch screen display
Data interface	Standard USB interface
Parameter standard	Equipped with reference materials (indium, tin, lead) - user can correct temperature manually
Thermocouple configuration	Multiple thermocouples: one for sample temperature, one for instrument internal ambient temperature
Alt Name	Differential scanning calorimeter

FEATURES

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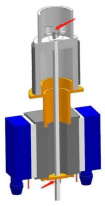
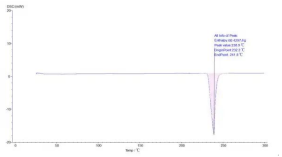
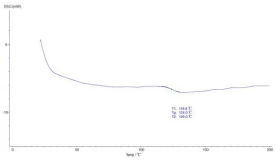


Furnace structure

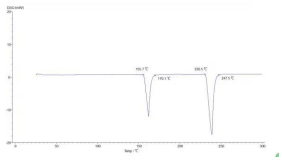
Melting point, heat enthalpy, phase change temperature analysis :



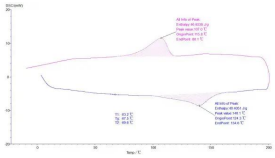
Glass analysis:



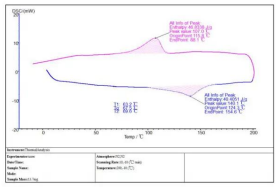
Initial melting point, final melting point analysis:



Analysis of two or more section lifting temperatures:



Test report:



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