



COLORIMETER BDSC-108

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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 level 7-inch touch screen, display information rich.
2. New furnace body structure, can be matched with a variety of refrigeration devices
3. USB communication interface, strong versatility, reliable communication, support self recovery connection function.
4. Automatic switching of two-way atmosphere flow, fast switching speed and short stable time. At the same time, a protective gas input is added.
5. The software is simple and easy to operate.

Furnace structure

Melting point, heat enthalpy, phase change temperature analysis :

Glass analysis:

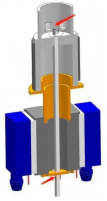
Initial melting point, final melting point analysis:

SPECIFICATIONS

| | |
|--|--|
| Model | BDSC-108 |
| Temperature range | -150°C ~ 600°C |
| Temperature resolution | 0.01°C |
| Temperature fluctuation | ±0.01°C |
| Temperature repeatability | ±0.1°C |
| Heating rate | 0.1 ~ 80°C/min |
| Constant temperature time | 0 ~ 400 |
| Temperature control mode | Heating, constant temperature, cooling |
| DSC range | 0 ~ ±600 mW |
| DSC resolution | 0.001 mW |
| DSC accuracy | 0.001 mW |
| Working power supply | AC 220V 50Hz or customized |
| Cooling equipment | Liquid nitrogen cooling |
| Atmosphere control gas | Nitrogen, oxygen (instrument automatic switch) |
| Gas flow | 0 ~ 300 mL/min |
| Gas pressure | 0.2 MPa |
| Display mode | 24-bit color, 7-inch LCD touch screen display |
| Data interface | Standard USB interface |
| Parameter standard | With reference materials (indium, tin); users can adjust temperature manually |
| Upper computer software and thermocouple configuration | Software automatically adjusts coordinate range; analysis results can be dragged freely; includes multiple thermocouples for sample, furnace, and internal temperature |
| Alt Name | Differential scanning calorimeter |

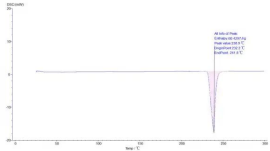
FEATURES

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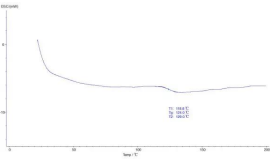


Furnace structure

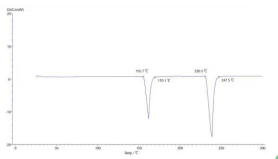
Melting point, heat enthalpy, phase change temperature analysis :



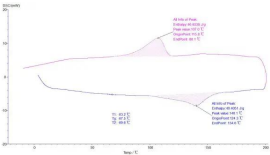
Glass analysis:



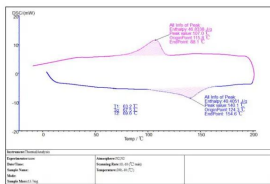
Initial melting point, final melting point analysis:



Analysis of two or more section lifting temperatures:



Test report:



Accessory:





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