

DSC 3000 Series

Differential scanning calorimeter



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

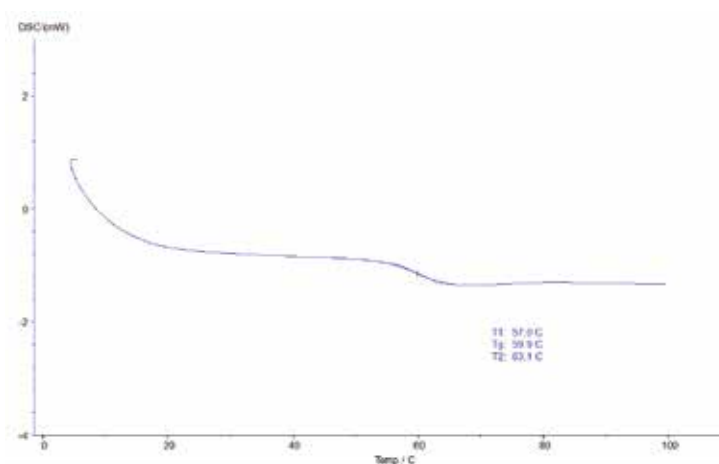
The differential scanning calorimeter is a touch-screen unit that can perform glass transition temperature tests, phase transition tests, melt and enthalpy value tests, product stability, oxidation induction period tests, specific heat and other tests. It is mainly used in applications in the chemical, energy, metallurgical, mineral, polymer and metallic materials industries.

Technical characteristics:

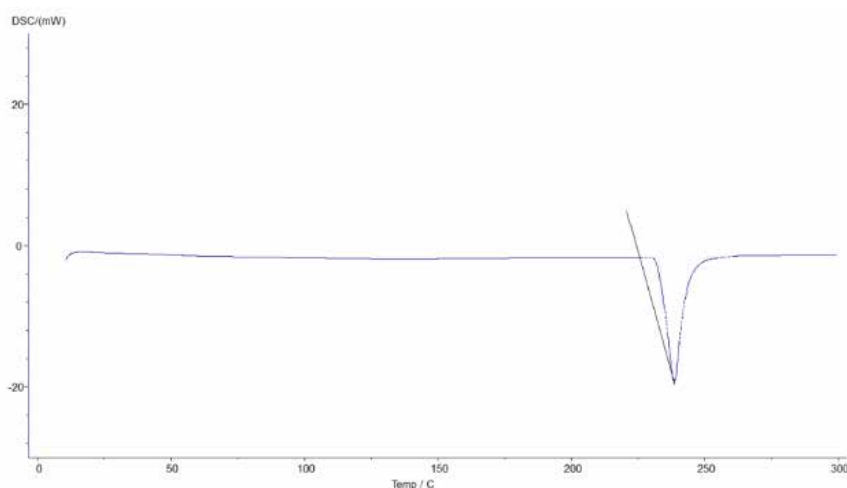
1. Industrial 7-inch touch screen with rich information.
2. New furnace construction with various cooling units.
3. USB communication interface, with strong universality, reliable communication without interruption, and support for self recovery connection function.
4. Automatic switching of two-way 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.

Selected test plots:

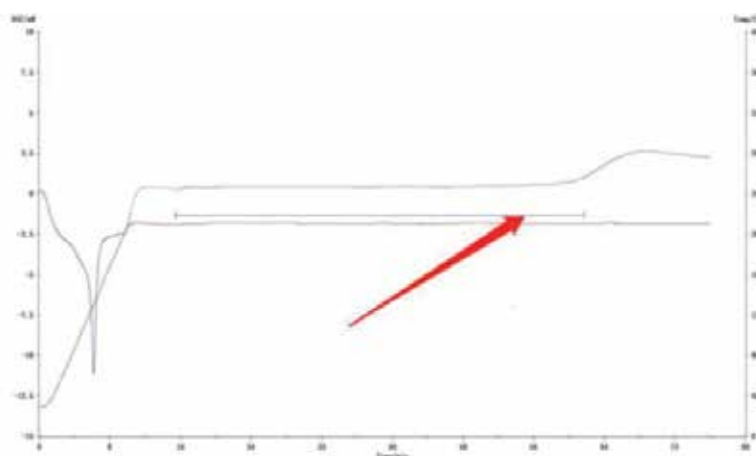
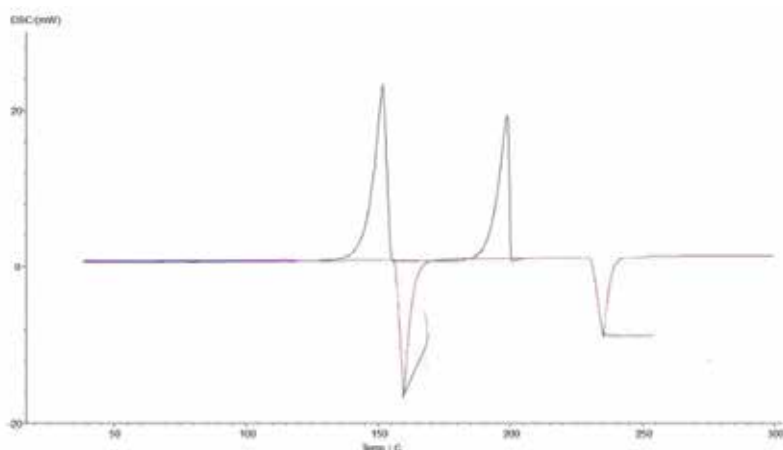
Test chart: Glass transition temperature



Test charts: Melting point and enthalpy



Temperature rise and fall scanning



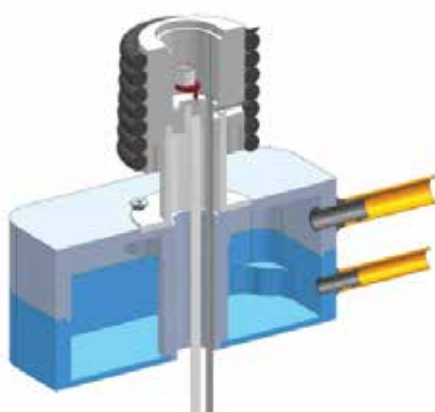
Technical parameter:

Temperature range	-170~600°C Liquid nitrogen refrigeration (self-pressurising)
Temperature resolution	0.001°C
Temperature fluctuation	±0.01°C
Temperature repeatability	±0.1°C
Heating rate	0.1~100°C/min
Constant temperature time	0~400min
Temperature control mode	heating, cooling, constant temperature
DSC range	0~±600mW
DSC resolution	0.01uw
DSC sensitivity	0.001mW
Working power	AC220V/50HzOr customized
Cooling equipment	liquid nitrogen cooling
Atmosphere control gas	Nitrogen, oxygen (automatic switching of instrument)
Gas flow	0-300mL/min
Gas pressure	0.2MPa
Display mode	24bit color, 7-inch LCD touch screen display

Data interface	standard USB interface
Parameter standard	equipped with reference materials (indium, tin), users can calibrate the temperature by themselves
Software	The upper computer operation software automatically switches the coordinate range without manual adjustment; The display position of software analysis results can be dragged at will. The upper computer software can open multiple curves at the same time and analyze them at the same time; More than 5 curves.
Thermocouples	The instrument has multiple thermocouples, one to test the sample temperature and one to test the internal ambient temperature of the instrument.
Calibration	Lower unit with multi-point calibration, at least 3-point calibration; one-touch calibration.

Configuration list:

Differential instrument	1 platform
Software USB flash disk	1 only
Communication data cable	2 root
power cord	1 root
Aluminum crucible	200 only
Ceramic crucible	100 only
Furnace body cover	3 only
Raw tape	1 volume
Reference materials	1 for each
10A fuse	5 only
Sample spoon/sample pressure bar/tweezers	1 each
Dust cleaning ball	1 individual
Gas pipe (including connector)	2 root
Manual, warranty card and certificate	1 for each
Full automatic liquid nitrogen tank	1 set



HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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Our Products & Technologies



LCMS



Automated Prep-Flash Chromatography system



Maldi TOF



Optima Gas Chromatograph



Flash Chromatograph



DAC Column



GCMS 3068



UHPLC



HPTLC



Ion Chromatograph



Production HPLC



HPLC



Column



DLS



Water purification system

▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility

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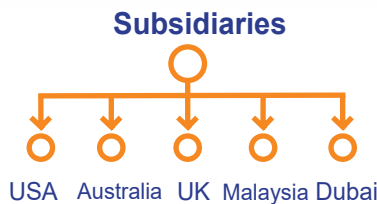
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