

DSC-2200

Differential Scanning Calorimeter



DSC- 2200 differential scanning calorimeter (DSC)

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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Product introduction:

DSC is designed to determine the inner heat transition relating to temperature and heat flow, it is widely used in the field of polymer development, performance testing & quality control. DSC research and development includes the following field: glass transition temperature, melting point, cold crystallization, crystallization, phase transition, oxidation induction time (OIT).

►► Main Features:

- The Instrument is based on heat flux principle and temperature modulated
- New designed oven structure ensures high resolution and good stability of base line;
- Digital air flow meter may control the air flow rate accurately; the test data can be recorded into the database directly;
- The instrument is bilateral control, may be controlled by both main frame and software. User-friendly interface, easy operation.
- Ceramic Sensor with chemical and corrosion resistance
- Instrument can flush inert gases such as Nitrogen, Argon, Helium, Air, etc. with software controlled mass flow controller

►► Technical parameters:

DSC range:	0~±500mW
Temperature range:	room temperature ~ 800°C air-cooled - 50 °C ~ 800 °C semiconductor refrigeration - 100 °C ~ 800 °C liquid nitrogen refrigeration
Heating rate:	0.1~ 100°C/min
Cooling rate:	0.1~ 50°C/min
Temperature resolution:	0.1 °C
Temperature fluctuations:	±0.1°C
Temperature repeatability:	±0.1°C
DSC noise:	0.01μW
DSC resolution:	0.01μW
DSC accuracy:	0.1μW
DSC sensitivity:	0.1μW
Control Mode:	Rising temperature, constant temperature, cooling temperature (full automatic programmed control)
Curve scanning:	Rising scan, cooling scan
Atmosphere control:	Embedded digital flow meter & Software control
Display:	liquid crystal display (LCD)
Data interface:	RS232 interface
Parameter standard:	equipped with standard material (indium, tin, and lead), the user may correct temperature and heat enthalpy
Baseline stability:	<0.4mW
Temperature precision:	0.02°C

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.



About Analytical Technologies

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Counter



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Spectrophotometer



DSC/TGA



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Chemistry Analyzer



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Analyzer



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Urine Analyzer



Total Organic
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RTPCR



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Laser Particle
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Ion Chromatograph



Water purification
system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
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2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



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