

# DIFFERENTIAL SCANNING CALORIMETER



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Differential Scanning Calorimeter is designed to determine the inner heat transition relating to temperature and heat flow. Differential scanning calorimetry is fast, very sensitive and easy to use.

Used in Polymer Development, Performance Testing, Quality Control, Crystallization Process, Glass Transition Temperature, Oxidation Induction Time (OIT), Reaction Heat, Heat Enthalpy, Melting Point, Phase Transition.

## DSC11 DIFFERENTIAL SCANNING CALORIMETER

New designed oven structure ensures high resolution and good stability of base line.

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.



### SPECIFICATIONS

Model	DSC11-800RT	DSC11-800C	DSC11-600RT	DSC11-600C
DSC Range	0~±500 mW			
Temperature Range	Room temperature ~ 800°C air-cooled	-100°C ~ 800°C	Room temperature~600°C~room temperature air-cooled	(-100°C) ~600°C~ (-100°C) Liquid nitrogen refrigeration
Heating Rate	1 ~ 80°C/min			
Temperature Resolution	0.1°C			
Temperature Fluctuation	±0.1°C			
Temperature Repeatability	±0.1°C			
DSC Noise	0.01 uW	0.01 mW		0.01 μW
DSC Resolution	0.01 uW	0.01 mW		0.01 μW
DSC Accuracy	0.1 Uw	0.01 mW		0.1 μW
DSC Sensitivity	0.1 uW	0.01 mW		0.1 μW
Control Mode	Rising temperature, constant temperature(full automatic programmed control)			Rising temperature, constant temperature,cooling temperature(full automatic programmed control)
Curve Scanning	Rising scan, cooling scan			
Atmosphere Control	Embedded digital flow meter and Software control			
Color	24 bit 7 inches LCD touch screen display		-	-
Data Interface	standard USB connector			
Parameter Standard	equipped with standard material, with a key calibration function, the user may correct temperature and heat enthalpy		equipped with standard material, with a key calibration function, the user may correct temperature and heat enthalpy	

Cooling Rate	-	-	1 ~ 10°C/min	1 ~ 20°C/min
Display	-	-	24 bit color 7 inches LCD touch screen display	



DSC11-800RT



DSC11-800C



DSC11-600RT



DSC11-600C



**Biozef**

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