BIOBASE®

Differential Scanning Calorimeter

BK-DSC300

BK-DSC300C
Standard of the Refrigerated Circulator

BK-DSC300L
Standard of the Self-pressurized Liquid Nitrogen Container

Application:

Differential scanning calorimeter can be used to test glass transition temperature, phase transition, melting and thermal enthalpy, product stability, oxidation induction period, specific heat, etc. It is mainly used in the chemical, energy, metallurgy, mining, polymer materials, metal materials and other industries.

Features:

* Industrial-grade 7-inch touch screen displays rich information.
* Brand-new metal furnace structure provides a better baseline and higher accuracy.
* USB communication interface for versatility, reliable and uninterrupted communication, and supports self-recovery.
* Automatically switches between two atmosphere flow rates with fast switching and short stabilization time. Also includes an additional shielding gas input.
* Simple and easy-to-use software.

Technical Parameters:

Model	BK-DSC300	BK-DSC300C	BK-DSC300L
Temperature Range	RT~600℃	-35~600℃	-150~600℃
Temperature Resolution	0.001℃		
Temperature Fluctuation	±0.001℃		
Temperature Repeatability	±1℃		
Heating Speed	0.1~80℃/min	0.1~100℃/min	0.1~100℃/min
Cooling Speed	/	0.1~20℃/min	0.1~40℃/min
Constant Temperature Time	Program setting ≤24h	Program setting ≤24h	0~400min
Temperature Control Method	Heating, constant temperature, cooling		
DSC Range	0 to ±600mW	0 to ±800mW	0 to ±600mW
DSC Resolution	0.01uW		
DSC Sensitivity	0.001mW		
Gas Flow	0~200mL/min	0~200mL/min	0~300mL/min
Gas Pressure	≤0.5MPa	≤0.5MPa	≤0.2MPa
Power Supply	Standard: AC220V 50/60Hz, optional: AC110V 50/60Hz		
External Size(L*W*H)	488*428*237mm		
Net Weight	13.4kg	15kg	15.3kg
Packing Size(L*W*H)	615*545*490mm	Main Unit: 615*545*490mm; Accessory: 540*455*815mm	Main Unit: 615*545*490mm; Accessory: 600*600*1180mm
Gross Weight	26.2kg	Main Unit: 28.5kg; Accessory: 41.6kg	Main Unit: 29.6kg; Accessory: 70kg