SKZ1052C-1L Differential Scanning Calorimeter



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).

Standards:

ISO/TR10837:1991, ASTM D3895-1998, ASTM E 967, ASTM E 968, ASTM E 793, ASTM D 3895, ASTM D 3417, ASTM D 3418, ISO 11357-6

Main Features:

- 1. The industrial-grade 7-inch touch screen displays rich information.
- 2. Brand-new metal furnace body structure, with better baseline and higher accuracy. The heating adopts indirect conduction method, which has high uniformity and stability, reduces pulse radiation, and is better than traditional heating mode.
- 3. USB communication interface, strong versatility, reliable and uninterrupted communication, supports self-recovery connection function.
- 4. Automatically switch the two-channel atmosphere flow, fast switching speed and short stabilization time. At the same time, a protective gas input is added.
- 5. The software is simple and easy to operate.

Technical parameters:

Temperature range	-150°C~ 550 °C
Heating rate	0.1~80℃/min
Cooling rate	1 ~ 20 °C / min (If cooling, For instant cool only, can not be Isothermal below room temperature, and if heating up, can control its rate)
Temperature resolution	0.001℃

SKZ Industrial Co., Limited

D-11, No.9 Lanxiang road, Tianqiao District, Jinan, Shandong province, China.

Tel: +86-531-68825087, 0086-15692312640



Your Trusted Measuring Partner

Temperature fluctuations Temperature repeatability Constant temperature time Program setting ≤24h DSC range 0~±60mW DSC noise 0.01μW DSC resolution DSC accuracy 0.01mW Atmosphere control gas Airogen, Oxygen (instrument switch automatically) Gas flow rate 0-300mL/min Gas pressure 0.2MPa Control Mode Rising temperature, constant temperature(full automatic) Curve scanning Rising scan, cooling scan Gas flow control Built-in digital flow meter & Software control, automatic Display Data interface Parameter standard With standard material, with calibration function, the user may correct temperature and heat enthalpy Software 4 in 1 operating software, can switch to DSC, DTA, TGA, STA Thermocouples Total 3 sets of thermocouples for: 1). Test sample temperature 2). test furnace temperature 2). test furnace temperature Cooling device Liquid nitrogen refrigeration Power	_	INDUSTRIAL The eu compliance
Constant temperature time Program setting ≤24h DSC range 0~±60mW DSC noise 0.01μW DSC resolution 0.01μW DSC accuracy 0.01mW Atmosphere control gas Nitrogen, Oxygen (instrument switch automatically) Gas flow rate 0-300mL/min Gas pressure 0.2MPa Control Mode Rising temperature, constant temperature(full automatic) Curve scanning Rising scan, cooling scan Gas flow control Built-in digital flow meter & Software control, automatic Display 24 bit 7 inches LCD touch screen display Data interface standard USB connector Parameter standard With standard material, with calibration function, the user may correct temperature and heat enthalpy Software 4 in 1 operating software, can switch to DSC, DTA, TGA, STA Thermocouples Total 3 sets of thermocouples for: 1). Test sample temperature 2). test furnace temperature, 3). Test internal ambient temperature Cooling device Liquid nitrogen refrigeration	Temperature fluctuations	±0.001℃
DSC range DSC noise DSC resolution DSC resolution DSC accuracy Atmosphere control gas Nitrogen, Oxygen (instrument switch automatically) Gas flow rate O-300mL/min Gas pressure O.2MPa Control Mode Rising temperature, constant temperature(full automatic) Curve scanning Rising scan, cooling scan Gas flow control Built-in digital flow meter & Software control, automatic Display Data interface Parameter standard With standard material, with calibration function, the user may correct temperature and heat enthalpy Software 4 in 1 operating software, can switch to DSC, DTA, TGA, STA Thermocouples Total 3 sets of thermocouples for: 1). Test sample temperature 2). test furnace temperature 2). test furnace temperature Cooling device Liquid nitrogen refrigeration	Temperature repeatability	±0.1℃
DSC noise DSC resolution DSC accuracy Atmosphere control gas Nitrogen, Oxygen (instrument switch automatically) Gas flow rate O-300mL/min Gas pressure O.2MPa Control Mode Rising temperature, constant temperature(full automatic) Curve scanning Rising scan, cooling scan Gas flow control Built-in digital flow meter & Software control, automatic Display 24 bit 7 inches LCD touch screen display Data interface Parameter standard With standard material, with calibration function, the user may correct temperature and heat enthalpy Software 4 in 1 operating software, can switch to DSC, DTA, TGA, STA Thermocouples Total 3 sets of thermocouples for: 1). Test sample temperature 2). test furnace temperature Cooling device Liquid nitrogen refrigeration	Constant temperature time	Program setting ≤24h
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DSC accuracy Atmosphere control gas Nitrogen, Oxygen (instrument switch automatically) Gas flow rate 0-300mL/min Gas pressure 0.2MPa Control Mode Rising temperature, constant temperature(full automatic) Curve scanning Rising scan, cooling scan Gas flow control Built-in digital flow meter & Software control, automatic Display 24 bit 7 inches LCD touch screen display Data interface Parameter standard With standard material, with calibration function, the user may correct temperature and heat enthalpy Software 4 in 1 operating software, can switch to DSC, DTA, TGA, STA Thermocouples Total 3 sets of thermocouples for: 1). Test sample temperature 2). test furnace temperature Cooling device Liquid nitrogen refrigeration	DSC noise	0.01µW
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Gas pressure Control Mode Rising temperature, constant temperature(full automatic) Curve scanning Rising scan, cooling scan Built-in digital flow meter & Software control, automatic Display Data interface Parameter standard With standard material, with calibration function, the user may correct temperature and heat enthalpy Software 4 in 1 operating software, can switch to DSC, DTA, TGA, STA Thermocouples Total 3 sets of thermocouples for: 1). Test sample temperature 2). test furnace temperature 3). Test internal ambient temperature Cooling device	Atmosphere control gas	Nitrogen, Oxygen (instrument switch automatically)
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Curve scanning Rising scan, cooling scan Built-in digital flow meter & Software control, automatic Display 24 bit 7 inches LCD touch screen display Data interface Parameter standard With standard material, with calibration function, the user may correct temperature and heat enthalpy Software 4 in 1 operating software, can switch to DSC, DTA, TGA, STA Thermocouples Total 3 sets of thermocouples for: 1). Test sample temperature 2). test furnace temperature, 3). Test internal ambient temperature Cooling device Liquid nitrogen refrigeration	Control Mode	Rising temperature, constant temperature(full
Gas flow control Built-in digital flow meter & Software control, automatic Display 24 bit 7 inches LCD touch screen display Standard USB connector Parameter standard With standard material, with calibration function, the user may correct temperature and heat enthalpy 4 in 1 operating software, can switch to DSC, DTA, TGA, STA Thermocouples Total 3 sets of thermocouples for: 1). Test sample temperature 2). test furnace temperature, 3). Test internal ambient temperature Cooling device		automatic)
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Software 4 in 1 operating software, can switch to DSC, DTA, TGA, STA Thermocouples Total 3 sets of thermocouples for: 1). Test sample temperature 2). test furnace temperature, 3). Test internal ambient temperature Cooling device Liquid nitrogen refrigeration	Data interface	standard USB connector
Software 4 in 1 operating software, can switch to DSC, DTA, TGA, STA Thermocouples Total 3 sets of thermocouples for: 1). Test sample temperature 2). test furnace temperature, 3). Test internal ambient temperature Cooling device Liquid nitrogen refrigeration	Parameter standard	With standard material, with calibration function, the
TGA, STA Thermocouples Total 3 sets of thermocouples for: 1). Test sample temperature 2). test furnace temperature, 3). Test internal ambient temperature Cooling device Liquid nitrogen refrigeration		user may correct temperature and heat enthalpy
Thermocouples Total 3 sets of thermocouples for: 1). Test sample temperature 2). test furnace temperature, 3). Test internal ambient temperature Cooling device Liquid nitrogen refrigeration	Software	4 in 1 operating software, can switch to DSC, DTA,
1). Test sample temperature 2). test furnace temperature, 3). Test internal ambient temperature Cooling device Liquid nitrogen refrigeration		TGA, STA
2). test furnace temperature, 3). Test internal ambient temperature Cooling device Liquid nitrogen refrigeration	Thermocouples	Total 3 sets of thermocouples for:
3). Test internal ambient temperature Cooling device Liquid nitrogen refrigeration		1). Test sample temperature
Cooling device Liquid nitrogen refrigeration		2). test furnace temperature,
		3). Test internal ambient temperature
Power AC220V/50Hz	Cooling device	Liquid nitrogen refrigeration
	Power	AC220V/50Hz

Packing List

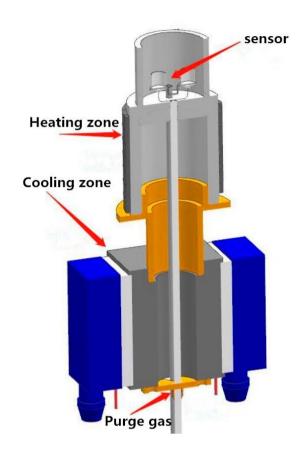
Host instrument	1PC
CD	1PC
Data Line	1PC
Power Line	1PC
Aluminum crucibles	100PCS
Ceramic crucibles	100PCS
pure tin grains	1bag
Fuse 4A	5PCS

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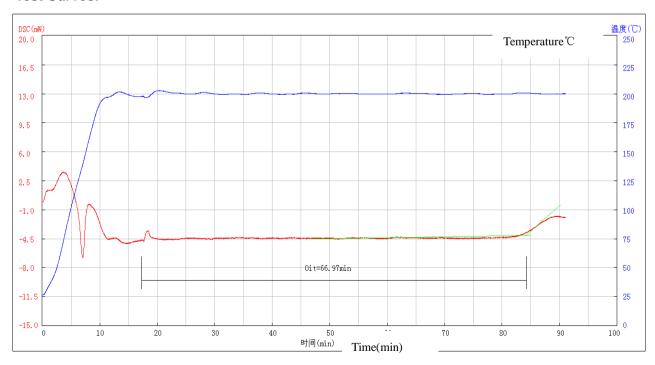
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Furnace structure:



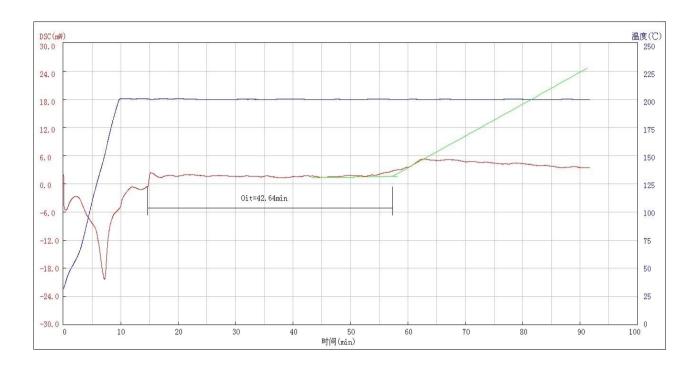
Test Curves:



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