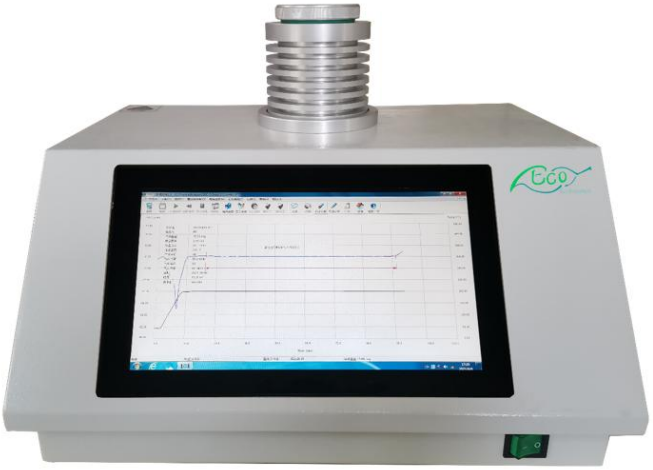
Differential Scanning Calorimeter - Oxidation Induction Time



Introduction:

Differential Scanning Calorimetry (DSC) is a classic thermal analysis method of thermal effects under controllable program temperature. It is used in various materials and chemistry enterprises, research and development, process optimization, quality control and failure analysis, etc. It has been widely used in various occasions. Using the DSC method, the oxidation induction time can be accurately measured. It is widely used in plastics, rubber, coatings, food, medicine, biological organisms, inorganic materials, metal materials and composite materials, and plastic pipes.

It complies with the determination of oxidation induction time in ISO 11357-3 standard.

The software adaptively supports window operating system, automatically realizes oxidation induction test and temperature correction test, and automatically calculates the test results.

Specification:

Model	EI-DSC500
Test Range	0 to 200mW
Temperature Range	Room Temperature to 500ºC
Heating Rate	1 ~ 30°C/min
DSC Sensitivity	0.1uW
DSC Resolution	0.01uW
Temperature Resolution	0.1°C

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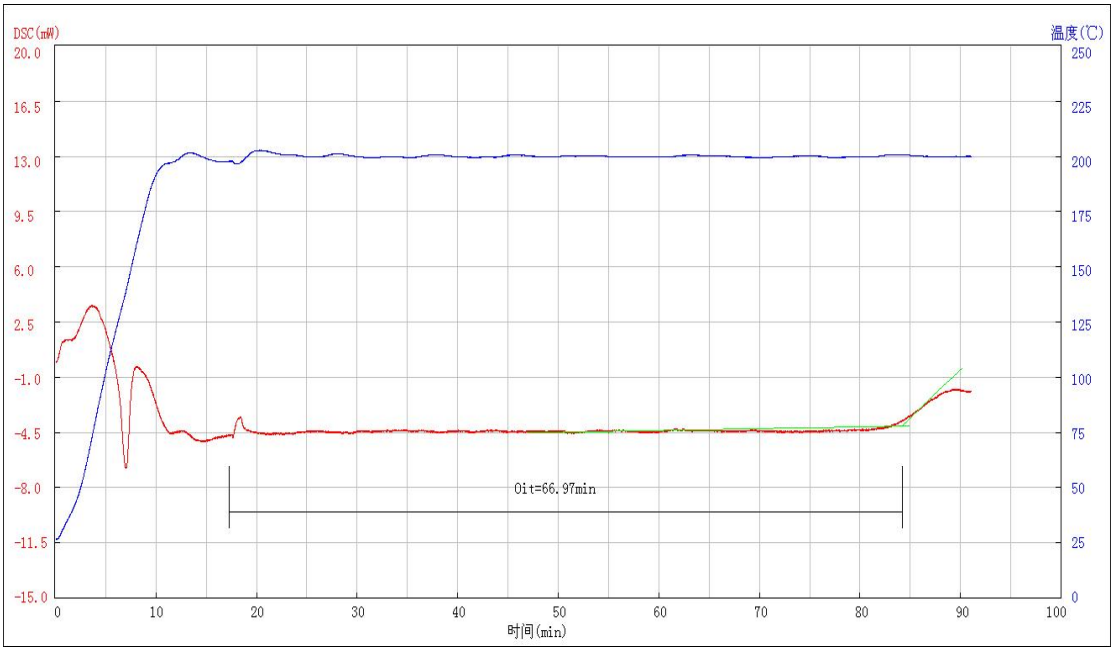
Temperature Sensor	K type thermocouple
Furnace Material	Silver
Temperature Control Mode	Heating, constant temperature and circulating temperature control (Program control automatically)
Display Mode	24bit color, 10 inch LED Touch Screen Display
Data Interface	USB port - Keyboard, Mouse and Printer
Calibration specimen	Indium(IN), Tin(Sn)
Rate Voltage	240V, 50Hz



Test graph of oxidation Induction Time

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