

# DIFFERENTIAL SCANNING CALORIMETER DSC11-800C



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## DSC11-800C

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.

## DSC11-800C 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                     | DSC11-800C   |
| DSC Range                 | 0~±500 mW  |
| Temperature Range         | -100°C ~ 800°C   |
| 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 mW  |
| DSC Resolution            | 0.01 mW  |
| DSC Accuracy              | 0.01 mW  |
| DSC Sensitivity           | 0.01 mW  |
| Control Mode              | Rising temperature, constant 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 |





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