

# Differential Scanning Calorimeter DSC-RS



DSC is used to measure melting temperature, heat of fusion, latent heat of melting, reaction energy and temperature, glass transition temperature, crystalline phase transition temperature and energy, precipitation energy and temperature, denaturation temperatures, oxidation induction times, and specific heat or heat capacity.

DSC measures the amount of energy absorbed or released by a sample when it is heated or cooled, providing quantitative and qualitative data on endothermic (heat absorption) and exothermic (heat evolution) processes.

## Applications

- Measures the glass transition point of polymer materials
- Melting point determination of low-melting point metals such as solders
- Measures the transformation point of metallic materials
- Measures the specific heat capacity of solid (powdered) materials

## Features

- Capable of easily measuring the specific heat capacity of solids and powders

## Specifications

Differential Scanning Calorimeter DSC	
Type	DSC-RS
Measurement Properties	Specific heat capacity, glass transition point, transformation point
Temperature Range	-150 °C to 650 °C Cycled heating and cooling
Sample Size	Aluminum: $\phi$ 5 mm x 5 mm thick, 0.05 cc
Measurement Atmosphere	Air, inert gas

Mehrgan  
Parto  
Shar