



Differential Scanning Calorimetry (DSC)

Model Description

TA DSC Q20

The Differential Scanning Calorimeter (DSC) determines the temperature and heat flow associated with material transitions as a function of time and temperature. It also provides quantitative and qualitative data on endothermic (heat absorption) and exothermic (heat evolution) processes of materials during physical transitions that are caused by phase changes, melting, oxidation, and other heat-related changes. This information helps the scientist or engineer identify processing and end-use performance.

Features

Dual Digital Mass Flow Controllers

• Temperature Range: Ambient to 725°C

• Temperature Accuracy: ± 0.1°C

• Temperature Precision: ± 0.05 °C

• Dynamic Measurement Range: ± 350 mW

• Digital Resolution: >0.04 μW

• Baseline Curvature: (-50 to 300°C) <0.15 mW

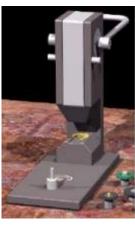
• Baseline Reproducibility: < 0.04 mW

Sensitivity: 1.0 μW

• Indium Height/Width* 8.0 mW/°C

Accessories

Tzero Sample Encapsulating Press.



Liquid Nitrogen Cooling System (LNCS)



• Refrigerated cooling system

Consumables

- Nitrogen gas
- Pans
- Lids





Photos





Contact

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