

Differential Scanning Calorimeter DSC-60

The Shimadzu DSC-60 is a compact heat-flux plate differential scanning calorimeter to measure energy changes associated with transitions, reactions and decompositions in materials.

The DSC-60 comprises in a compact single box the DSC cell with exceptionally low swept volume (<1cc).

Included in the base instrument:

- DSC cell with constantan plate which has lugs for accurate crucible location
- Lighted LCD display for temperature and signal
- Remote system functions
- Built in fan system for fast cooling to ambient temperature
- Built-in manual cooling device (0,3l Dewar) for coolants such as liquid nitrogen, dry ice etc., (Enquire about optional automatic cryogenic systems)
- Three gas connectors
- Automatic cleaning function
- Complete accessory kit containing, 50 aluminium crucibles, tweezers, and consumables
- Operation manuals



Specifications:

Temperature range:	-140°C to 620°C.
Heating rate:	±0.01 to ±99.9°K/min at 0.1°K intervals
Temp accuracy:	±0.1°K
Temp reproducibility:	±0.1°K
Dynamic range:	±40 mW
Noise:	< 1 microwatts
Calorific accuracy:	±1 % (traceable on NIST-ICTAC standards)
Calorific reproducibility:	±0.1 %
Time constant:	<4 seconds.
Cell volume:	<4cc. Swept volume <1cc.
Gas:	inert, reducing and oxidizing atmospheres