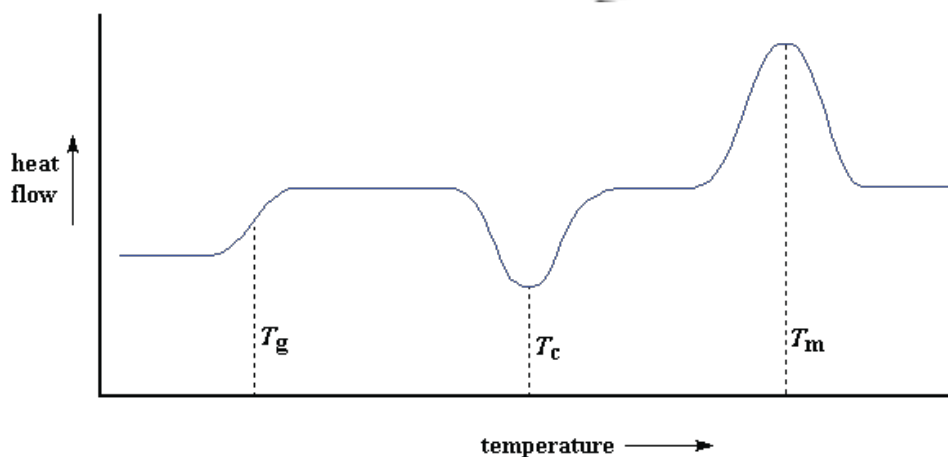


Differential Scan Calorimeter

DSC 3000 Series



The entire DSC plot, right before your very eyes!

EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Applications:

DSC measurements is associated with material internal thermal transition temperature and heat flow, its is a very wide range of applications, particularly in research and development, performance testing and quality control of materials. Characteristics of materials, such as glass transition temperature, cold crystallization, phase transition, melting, crystallization, thermal stability, curing/ crosslink, oxidation induction, etc.

The Oxidation Induction Times Test (OIT), as carried out in a differential scanning calorimeter (DSC), is used to predict thermo-oxidative performance of a material. Samples are heated up under a nitrogen atmosphere, typically to 200C. Oxygen is then introduced to the sample cell, and the length of time before the onset of degradation, as seen by the iniation of an endothermic process in the DSC trace, is measured. OIT is a sensitive measure of the level of anti-oxidative additives within the polymer.

►► Parameters:

- DSC range:.. 0 ~ ± 500mW
- Temperature range: room temperature ~ 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:.. 0.01µW
- DSC Resolution: 0.01µW
- DSC Accuracy: 0.1µW

- DSC Sensitivity: 0.1 μ W
- Temperature control: warming temperature, thermostat (automatic control program)
- Curve scan: warming scan
- Atmosphere control: instrument automatically switch
- 24bit 7-inch color LCD touch screen display
- Data Interface: Standard USB interface
- With standard material (indium, tin, lead), User may self-calibration temperature and melt.

▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award: Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶ Reach us @



HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalbiomed.com

W. www.ais-india.com
www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com

Sales & Support Offices:
across the country :
Distributors & Channel
partners World Wide

Note : Company reserves rights to add/delete/modify the contents /technical specifications of the catalogue without prior notice.