Product name:	Product code:
Thermogravimetric Analyzer for Polymer Resin Composition	CMI-IND-0228



Description

Instrument that measures mass loss of resin samples as temperature increases in air or nitrogen. Used to determine polymer, plasticizer, carbon black and filler fractions in compounds.

Technical specification

Sample Mass	Up to 1 g
Gas Flow	0 to 200 ml/min
Crucible	Alumina 70 ul
Power	230 V AC, 50 Hz, 2 kW

Standard Accessories

- Alumina crucibles
- Gas regulator
- Software

A microbalance weighs a small sample inside a programmable furnace as it is heated at a controlled rate. Each weight loss step corresponds to a component in the compound. Software calculates onset and residue values.

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Features

- Furnace to 1000 deg C
- Microbalance 0.01 mg resolution
- Gas switching nitrogen to air
- Autosampler optional
- Software with derivative curves

Technical Specifications

Test Standards	ASTM E1131, ISO 11358
Temperature Range	Ambient to 1000 deg C
Heating Rate	0.1 to 50 deg C/min
Balance Resolution	0.01 mg