Product name:	Product code:
Intrinsic Viscosity Measuring System for PET Resin and Preforms	CMI-IND-0515

Description

Automatic capillary viscometer with thermostatic bath that measures the intrinsic viscosity of PET chips and preforms in solvent. Used by resin producers and preform makers to monitor polymer degradation during moulding per ASTM D4603.

Technical specification

Standard Accessories

- Ubbelohde viscometer tubes
- Volumetric flasks
- Dissolver vials

A dissolved PET sample is timed through an Ubbelohde capillary at 30 deg C and converted to IV in dl/g. The system includes a dissolving heater block, automatic flow-time detection and a calculation display. It helps verify that processing has not lowered the molecular weight.

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Features

- Automatic optical flow time detection
- Bath control within +/-0.01 deg C
- Ubbelohde capillary with integrated dilution
- Built-in IV calculation to ASTM D4603
- Dissolver block with 6 sample positions

Technical Specifications

Test standards	ASTM D4603, ISO 1628-5
IV range	0.40 to 1.20 dl/g
Bath temperature	30.0 deg C +/-0.01 deg C
Flow time resolution	0.01 s
Solvent system	Phenol/tetrachloroethane 60/40
Dissolver	6 position heating block to 130 deg C
Bath capacity	20 litre, glass sided
Power supply	230 V AC, 50 Hz