Product name:	Product code:
Heat Deflection Temperature and Vicat Softening Point Tester	CMI-IND-0204

Description

Oil bath instrument that measures the temperature at which molded plastic bars deflect under flexural load or are penetrated by a needle. Used to rate heat resistance of molded parts in automotive and appliance industries.

Technical specification

Standard Accessories

- Weight set
- Needle indenters
- Specimen supports
- Silicone oil sample

Up to six specimens are loaded in a stirred silicone oil bath that heats at a uniform controlled rate. Deflection or needle penetration is read by dial gauges or digital sensors, and the temperature at the end point is logged. A cooling coil shortens turnaround between batches.

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Features

- Three or six station configuration
- Heating rate 50 or 120 deg C/h selectable
- Digital deflection sensors 0.001 mm
- Programmable PID controller with cooling coil
- Over-temperature safety cut-off

Technical Specifications

Test Standards	ASTM D648, ASTM D1525, ISO 75, ISO 306
Temperature Range	Ambient to 300 deg C
Heating Rate	50 +/- 5 and 120 +/- 10 deg C/h
Deflection Resolution	0.001 mm
Bath Medium	Silicone oil, 12 litre
Stations	6 independent
Loads	Set of weights for 0.455 and 1.82 MPa
Power	230 V AC, 50 Hz, 3 kW