Product name:	Product code:
Creep and Volume Expansion Tester for Carbonated PET Bottles	CMI-IND-0523

Description

Multi-station bottle creep tester that holds filled PET bottles at constant internal pressure and temperature while tracking volume growth and height change. Used by CSD bottle producers to assess long-term shelf stability.

Technical specification

Power supply	230 V AC, 50 Hz

Standard Accessories

- Neck connectors
- Pressure regulator set
- Burette kit

Bottles are connected to a regulated pressure manifold inside a temperature-controlled cabinet at 38 deg C for 24 hours or longer. Sensors record volume expansion and base change over time. The results show the creep resistance of preform and bottle designs.

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Features

- Six independent stations with pressure regulation
- Cabinet maintains 38 +/-1 deg C
- Volume measurement by burette or sensor
- Data logging of pressure and temperature
- Individual shut-off valves for each bottle

Technical Specifications

Test standards	Creep and pressure retention method per customer CSD bottle specification
Number of stations	6 bottles
Pressure	0 to 6 bar, +/-0.05 bar
Temperature	Ambient to 60 deg C, +/-1 deg C
Volume resolution	0.5 ml
Bottle size	250 ml to 2.5 litre
Cabinet	Insulated stainless steel interior