Product name:	Product code:
Colour and Haze Spectrophotometer for Preform Plaques and Preforms	CMI-IND-0511

Description

Benchtop transmission spectrophotometer that reports CIE L*a*b* colour and percent haze of clear PET preforms and moulded step plaques. Used by resin and preform producers to hold colour and clarity specifications for water and beverage bottles.

Technical specification

Power supply	230 V AC, 50 Hz

Standard Accessories

- White and black calibration standards
- Preform holder
- Plaque holder

The preform wall or a moulded plaque is placed in the transmission port and measured across 400 to 700 nm. The instrument reports L*, a*, b*, YI and haze with pass or fail against stored tolerances. It supports lot-to-lot colour control for clear and tinted PET.

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Features

- Integrating sphere with D65 and C illuminants
- Reports L*a*b*, yellowness index and haze
- Holder for preform sidewall and flat plaques
- Stored tolerance programmes with pass/fail
- USB output to PC software

Technical Specifications

Test standards	ASTM E308, ASTM D1003 (haze), ASTM E313 (YI)
Wavelength range	400 to 700 nm
Measurement geometry	Diffuse/8 deg transmission sphere
Aperture	25 mm and 10 mm
Repeatability	dE*ab 0.03
Haze range	0 to 100 percent, +/-0.1
Display	Colour LCD