

OPACITY TESTER

Opacity is a vital characteristic to sheetformed, cast or molded consumer product that requires a minimum opacity to prevent “show-through” of printing, fill-levels or packaged contents.

Opacity can be increased by adding pigment to the base material but since pigments are much more expensive it is costly to add too much.

The opacimeter quickly pays for itself in product development and production quality control by minimising pigment use and cost.

It is superior to the human eye as it provides objective values that are 15 times as sensitive to intensity variation and immune to gloss variations.

At the transparent end of the scale, the opacimeter excels at measuring haze, clarity and density variations for tinted windshields and packaging materials.

Model 2100 exceeds the instrument specifications of TAPPI T-425 in terms of resolution at the high end of the scale, absolute accuracy at the low end of the scale, photometric linearity and day-to-day repeatability.

It offers better resolution for high-opacity paper by using direct illumination geometry backed by a high reflectance diffuse white body compared to diffuse illumination backed by a pad of paper.



Model 2100 Opacimeter

Features

- One-button operation
- Push-button zero
- Automated functionality for electronic calibration and switching between white body and black backings
- Easy access for inspection of the backings and optics
- High reflectivity white backing
- Interfaces to strip drive for CD and MD
- RS-232 computer output

Physical specifications

Dimensions

21.5 x 60 x 39 cm (WxDxH)

Net Weight

22.5 kg

Performance data

Power Supply

220 V, 50 Hz

Standards

TAPPI T-425

“Partners in Quality”