SAHARANPUR TESTING INSTRUMENTS PVTLTD

STIPL
Measurement. Simplified.

Manufacturer & Suppliers of All Kind of Pulp, Paper, Board, Tissue, Packaging, Converting & General Testing Instrument for Laboratory

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Brightness, Opacity & Gloss Meter ISO

Usage : For measuring the ISO Brightness , colour , colour difference , fluorescence and opacity of paper.

Definition :Brightness is a commonly used industry term for the numerical value of the reflectance factor of a sample with respect to blue light of specific spectral and geometric characteristics. This method requires an instrument employing 45° illumination and 0° viewing geometry with the illuminating and viewing beams adjusted so that translucent materials are evaluated on an arbitrary but specific scale .
the directional reflectance is measured at 457 nm.

Standardization :ISO 2469, 2470, 3688, 5631, 9416, 11475, 11476, 22891, 22754 TAPPI T519, T525, T527, (T534, T560, T567) DIN 53145, 53146, 53147, 54500 Paptac E1, E2 SCAN G3, 5, 8, 66, 71, 72, each/P JIS P8148 etc.

Device Description :NOVICOLOR a modern , easy to use and feature rich Color-QC application for paper and packaging industries and automotive supply chain members. It enables customers to analyze report and visualize accurate colour QC results .it incorporates the indices , tolerances methods , graphs and sight sources D65 , c UV ex.. the device either comes with a built in touch screen or can be connected with a PC.

Test Description : the device is easy to control due to its touch screen and windows use of program. The data files can be saved directly on the computer. A printer can be connected to the USB port or the device enabling direct printout. The light source is filtered according to D65 , C, and UV ex level.

Specifications :

MODEL	Spectrophotometer with touch screen
ILLUMINATION/VIEWING SYSTEM	Reflectance: d:0° (diffuse illumination, 0-degree viewing) Conforms to ISO 2469, JIS P8148, DIN 53145-1\ and DIN 53145-2 standards.
LIGHT-RECEIVING ELEMENT	Silicon photodiode array (dual 40 elements)
SPECTRAL SEPARATION DEVICE	Diffraction grating
WAVELENGTH RANGE	360 nm to 740 nm
WAVELENGTH PITCH	10 nm
REFLECTANCE RANGE	0 to 200%; resolution: 0.01%
LIGHT SOURCE	Pulsed xenon lamps (× 3)
MEASUREMENT TIME	Approx. 1.5 seconds (for measurements of fluorescent colors, at 9600 bps)
MINIMUM INTERVAL BETWEEN MEASUREMENTS	Approx. 4 seconds; when reflectance measured, approx. 5 seconds; when fluorescent color
MEASUREMENT/ILLUMINATION AREA	O 30 mm / O 34 mm
INTER INSTRUMENT AGREEMENT	Mean ΔE*inferior at 0.2 (mean)
REPEATABILITY	Spectral reflectance: Standard deviation within 0.1% Colorimetric values: Standard deviation within ΔE*ab 0.02 (condition; white calibration plate measured 30 times at 10-second intervals)
TEMPERATURE DRIFT	Spectral reflectance: Within +/- 0.10%/° C Color difference:

	Within ΔE*ab 0.05/°C
UV ADJUSTMENT	Instantaneous numerical adjustment
UV CUT FILTER	400 nm cut-off and 420 nm cut-off
CONTROL METHOD	Directly connected to a touch screen computer
INTERFACE	RS-232C format
POWER	100-240V AC 50-60Hz 25W AC (with a dedicated AC adapter)

Delivery Content :

Consumables :

Service and Startup :