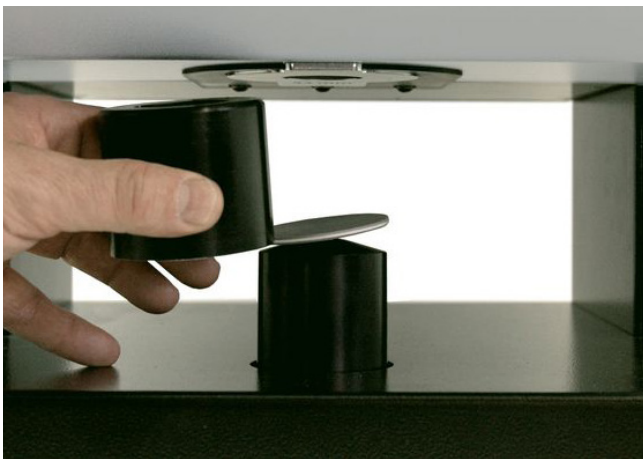


Spectrophotometer

Product code [RL-SPM-A](#)

RYCOLAB



Usage

Equipment to measure the ISO brightness, colour, fluorescence and opacity in paper. Calibration Standards included. Touch Screen with special program for the paper industry.

Applicable standards

ISO 2469, 2470, 2471, 3688, 5631, 9416, 11475, 11476, 12625-7, 12625-15 / TAPPI T519, T525, T527 / DIN 53145bis, 53147, 54500

Device description

The Spectrophotometer is 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, communicate and visualize accurate color QC results. It incorporates the indices, tolerance methods, graphs and light sources D65, C, UV ex. The device either comes with a built in touch screen or can be connected to a PC. The software supports Windows 7 and Windows 8.

Control and calibration of device

The device is easy to control due to its touch screen and the Windows similar use of the program. The data can be saved into files directly on the computer or in the network. A printer can be connected to the USB port of the device where direct printout is possible. The light source is filtered according to D65, C and UV ex level.

Specifications

- Measurements: Color, Color difference, Absolute and Delta values, E for CIE XYZ, xyz, L*, a*, b*, C*, h*, u* v*, CIE, Opacity, Fluorescence, etc...
- Illumination/viewing system: Reflectance: 0° (diffuse illumination, 0° viewing)
- Light-Receiving element: Silicone photodiode array (dual 40 elements)
- Spectral separation device: Diffraction grating
- Wavelength range: 360 – 740 nm
- Wavelength pitch: 10 nm
- Reflectance range: 0 – 200%, resolution: 0.01%
- Light source: 3 x pulsed xenon lamps
- Measurement time: 1.5 seconds for measurements of fluorescent colors, 9600 bps
- Measurement area: Ø 30 mm
- Illumination area: Ø 34 mm