

# Spectrophotometer

RL-SPM-A

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 sight 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 operating systems.

The device is easy to control due to its touch screen and the Windows similar use of the program. The dates can be saved into files directly on the computer on 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 D65, C and UV ex level.

## Applicable Standards

ISO 2469, ISO 2470, ISO 3688, ISO 11475, ISO 11476, TAPPI T 519, TAPPI T 525, TAPPI T 527



## 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



**Thwing-Albert**  
Instrument Company



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