

Spectrophotometer Spectro Swing



Easy to use, versatile and reliable.
For most different, flexible media (paper, banner, canvas,
canvas cover for trucks, backlit etc.)

Thanks to his ability to measure also transparent materials and to measure most different flexible media, the Spectro Swing is a very special and unique measuring device. It is the ideal measuring device for production environments as it is tailored to the needs of all aqueous, solvent and UV roll-to-roll printers. It is available in transmission only, reflection only or combined reflection/transmission version.

Main features

- Easy to use thanks to its "no-button operation"
- For most different, flexible media (paper, banner, canvas, canvas cover for trucks, backlit etc.)
- Easy-Operation-Mode
- Time saving
- Avoiding handling errors
- Extremely high measuring precision and repeatability
- Supported by most RIP-software (www.barbierielectronic.com/RIP.htm)
- 3 reading modes:
 - Automatic measurements
 - Spot measurements
 - Density measurements

Target markets

- For all aqueous, solvent and UV roll-to-roll printers
- Digital photo and inkjet printing
- Packaging
- Proofing
- Fine art printing
- Traditional printing
- Consumer printing

Application fields

- Creation of ICC profiles for digital output devices for different media (both reflective and transparent)
- For linearization of digital output devices
- Use as a densitometer to determine density values for films and papers

Optionals

- UV-cut filter
- Digital Output Control (DOC)

Recommended accessories

- Transmission sample holders

Technical data

- Maximum measuring area: 220 x 600mm (8.7 x 23.6 in)
- Maximum patches / target: up to 3000
- Target thickness: max. 0,7mm (0.03 in)
- Measuring aperture:
 - reflection 2mm (0.08 in)
 - transmission 2mm (0.08 in)
- Measuring speed: approx. 16min. for 1248 fields
- Smallest measuring step: 0,2mm (0.008 in)
- Geometry:
 - reflection 45°:0°
 - transmission d:0
- Calibration: automatic with internal white reference
- Physical illumination: type A
- ISO 13655-2009 measurement condition M0, M2 (UVCut)
- Measuring time: < 0,3sec.
- Repeatability:
 - < 0,2 ΔE_{94} on white or $\pm 0,005D$ (up to 1.000D)
- Inter-instrument agreement: typ 1 ΔE_{94}
- Measuring sensor: diffraction grating with diode array
- Spectral resolution: 3,3nm
- Spectral range: 380 ... 780nm
- Density measuring range: 0...2.5D
- Interface: USB for Mac, PC and Linux
- Dimensions: 500 x 240 x 110mm (19.7 x 9.4 x 4.3 in)
- Weigh: 4kg (8.8 lbs)

System requirements

- Microsoft Windows 7 or later (32 and 64 bit)
- Mac OS X 10.10 or later

- Including free measuring software Barbieri Gateway for Mac and PC



For transparent media to apply color management where images are illuminated from behind