

# Spectrophotometer **SpectroSwing qb**

Automatic Reflection and Transmission Spectrophotometer  
for color measurement of substrates with paper like properties in digital printing

## Application fields

- Creation of ICC-profiles for color management (International Color Consortium)
- Linearization and calibration of Digital Output devices
- Color process control on paperlike materials

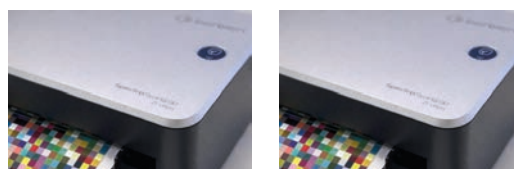
## Accessories

- White backing Reflection sample holder
- Transmission sample holder
- White backing Reflection sample holder (optional)
- Barbieri Gateway measuring software for Mac and PC
- Digital Output Control (DOC) (optional)



## Technical data

- Maximum measuring area: 220 x 600mm (8.7 x 23.6 in)
- Maximum patches / target: up to 3000
- Target thickness: max. 1,2mm (0.05 in)
- Measuring aperture:
  - Code C041C50: 2 mm (0.08 in) diameter
  - Code C041C60: 6 mm (0.24 in) diameter
 reflection and transmission
- Smallest measuring step: 0,2mm (0.008 in)
- Geometry:
  - reflection 45°:0°
  - transmission d:0
- Calibration: automatic with internal white reference
- Physical illumination:
  - Reflection: annular, with 3 LED-chips (D50, Type A - 2856 K, UV)
  - Transmission: diffuse, 3 LED-chips (D50, Type A - 2856 K, UV)
- ISO 13655-2017 measurement condition: M0, M1, M2 (UVCut)
- Repeatability: < 0,2 ΔE00 on white or ± 0,005D (up to 1.000D)
- Inter-instrument agreement on 12 BCRA color tiles:
  - Average: 0.5 ΔE00, Max: 1.0 ΔE00
- Measuring sensor:
  - diffraction grating with diode array
- Spectral range: 380 ... 750 nm
- Spectral resolution: 2 nm
- Optical resolution: 10 nm
- Spectral range: 380 ... 780nm
- Density measuring range: 0...2.5D
- Interface: USB-C and Ethernet
- Dimensions:
  - 510 x 240 x 130mm (LxWxH)
  - 20 x 9.5 x 5.1 inch
- Weight: 5.5 kg (12 lbs)



Available in two versions:

- 2 mm aperture: for smooth surface
- 6 mm aperture: for textured or grainy surfaces



Transmission measurements  
for transparent media

Specifications are subject to change without notice. February 2026