

BARBIERI Spectrophotometer

Spectro LFP RT

Transmission / reflection spectrophotometer
for automatic measurement
of most different materials
in Large Format Printing

Transparency



PVC



Cardboard



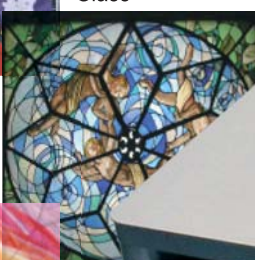
Forex



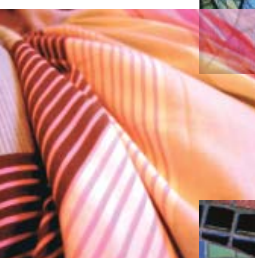
Banner



Glass



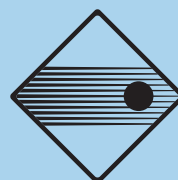
Textile



Ceramics



Wood



BARBIERI
electronic
When Color Quality counts

Spectrophotometer Spectro LFP RT

The BARBIERI spectrophotometer for automatic measurement of most different materials in Flatbed and Large Format Printing for linearization of digital output devices and ICC profile creation.

Use

The Spectrophotometer Spectro LFP RT is an automatic measuring instrument for both reflection and transmission mode to create ICC profiles (International Color Consortium) and for linearization of digital output devices in flatbed and large format printing.

Application fields

- Creation of ICC profiles for digital output devices for most different materials (both reflective and transparent)
- For linearization of digital output devices
- Single measurements of logo-colors (Pantone) with subsequent check of the color-true printing
- Use as a densitometer to determine density values for films and papers

Technical characteristics

- For transparent and reflective media
- Able to measure heavy and thick materials
- Supported by most important RIP-software
- Measuring aperture switchable from 2 to 6mm
- 3 reading modes:
 - Automatic measurements
 - Single measurements
 - Density measurements
- The following materials printed on large format inkjet-printers can be measured automatically: textiles, glass, papers, vinyl, cardboards, plastic plates, gypsum plates, wood, stone and ceramic plates.
- Robust transport unit
- Compatible for Macintosh and PC
- Extremely high measuring precision and repeatability

Recommended accessories

- BARBIERI Profile-Xpert - professional Color Management software

Technical data

- Measuring speed: approx. 10min. for 1248 fields
- Maximum measuring area: 290 x 200mm (11.42 x 7.87in)
- Target thickness: max. 20mm (0.79in)
- Smallest measuring step: 0,2mm (0.01in)
- Measuring apertures:
 - reflection 2 and 6mm (0.08 and 0.24in) (adjustable)
 - transmission 2 and 6mm (0.08 and 0.24in) (adjustable)
- Geometry:
 - reflection 45°/0°
 - transmission d/0°
- Calibration: automatic with internal white reference
- Physical illumination: type A
- Measurement time: < 0,3sec.
- Repeatability:
 - < 0,2 ΔE_{94} or $\pm 0,005D$ (up to 1.000D)
- Inter-instrument agreement: typ 1 ΔE_{94}
- Measuring sensor: diffraction grating with diode array
- Spectral resolution: 3,5nm
- Spectral range: 380 ... 780nm
- Density measuring range: 0...2.5D
- Interface: USB, serial 57600 Baud for Mac/PC
- Dimensions: 571 x 433 x 160mm (22.48 x 17.05 x 6.3in) (LxWxH)
- Weight: 11kg

Optionals

- Sample holder for different materials
- UV-cut filter

System requirements

- Personal Computer running Microsoft Windows 2000 or later with min. 256 MB RAM
- Apple Power Mac G3 or newer running OS X version 10.2 or newer with min. 256 MB RAM



Different transmissive and reflective materials



Switchable measuring aperture



Robust transport unit



Sample holder for extra heavy materials

Member of

