

BARBIERI Spectrophotometer

Spectro **LFP** S.3

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

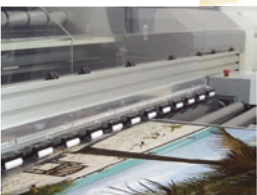
Transparency



PVC



Cardboard



Forex



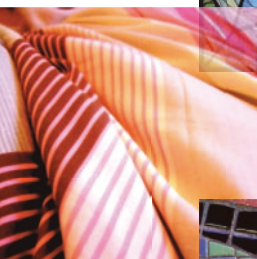
Banner



Glass



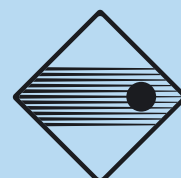
Textile



Ceramics



Wood



BARBIERI
electronic
When Color Quality counts

Spectrophotometer Spectro **LFP** S.3

The BARBIERI spectrophotometer for automatic measurement of most different materials in Large Format, Flatbed and Industrial Printing.

Use

The Spectro LFP RT Series 3 is the automatic color measuring device for both reflection and transmission in large format, flatbed and industrial printing.

Main features

- For transparent and reflective media
- Measuring aperture switchable between 2, 6 and 8mm
- For heavy and thick materials
- Supported by most RIP-software (www.barbierielectronic.com/RIP.htm)
- 3 reading modes:
 - Automatic measurements
 - Spot measurements
 - Density measurements
- Some examples of materials which can be measured automatically: textiles, glass, backlit film, papers, vinyl, cardboards, plastic plates, gypsum plates, wood, stone and ceramic plates.
- Available in 2 versions:
 - Spectro LFP RT
 - Spectro LFP Tex (see table below)
- Upgrade from Tex to RT version

Application fields

- Creation of ICC profiles for digital output devices for most different materials (both reflective and transparent)
- 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

Recommended accessories









- Sample holder for different materials
- Electrostatic sample holder for textiles and thin media
- UV-cut filter
- Polarization filter
- Carrying case (trolley)
- 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, 6 and 8mm (0.08, 0.24 and 0.31in) (switchable)
 - transmission 2, 6 and 8mm (0.08, 0.24 and 0.31in) (switchable)
- Geometry:
 - reflection 45°/0°
 - transmission d/0°
- Calibration: automatic with internal white reference
- Physical illumination: type A
- Measurement time: < 0,3sec.
- Repeatability:
 - < 0,2 ΔE94 on white or ± 0,005D (up to 1.000D)
- Inter-instrument agreement: typ 1 ΔE94
- Measuring sensor: diffraction grating with diode array
- Spectral resolution: 3,5nm
- Spectral range: 380 ... 780nm
- Density measuring range: 0...2.3D
- Interface: USB for Mac, PC and Linux, RS232
- Dimensions: 571 x 433 x 160mm (22.48 x 17.05 x 6.3in) (LxWxH)
- Weight: 11kg

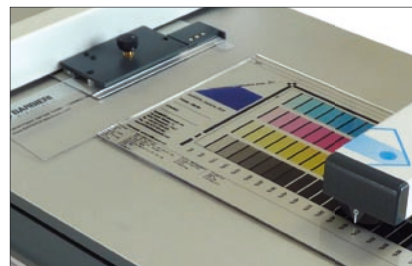
System requirements

- Microsoft Windows XP or later (32 and 64 bit)
- Mac OS X 10.5 or later (Intel)
- Including free measuring software Profile-Xpert Gateway for Mac and PC

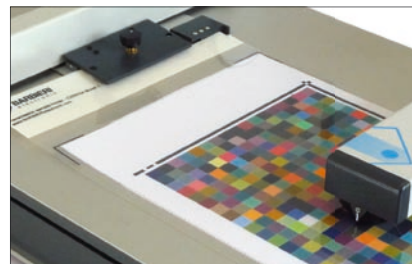
		Spectro LFP RT Series 3	Spectro LFP Tex Series 3
Reflective measurements		✓	✓
Transmissive measurements		✓	
2 mm measuring aperture		✓	
6 mm measuring aperture		✓	
8 mm measuring aperture		✓	✓
Automatic measurements		✓	✓
Up to 2mm thick media		✓	✓
Up to 20mm thick media		✓	



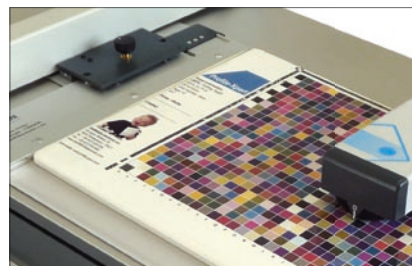
Backlit film



Glass



Textiles



Ceramic plates



Cardboard