

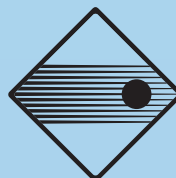
BARBIERI Color Management

Spectro LFP RT

The new BARBIERI spectrophotometer
for automatic measurement
of most different materials
in Large Format Printing



New!



BARBIERI
electronic
When Color Quality counts

Spectrophotometer Spectro LFP RT

The new BARBIERI spectrophotometer for automatic measurement of most different materials in Large Format Printing

Who is looking a little bit closer into this sector has certainly noticed that there are a lot of new printing devices coming into the market and that there are continuously new and the most strange materials to be printed. The customer, however, asks to have color fidelity also on these special media. It is therefore of utmost importance to create ICC profiles for these type of materials in order to be able to apply Color Management. BARBIERI electronic has recognized this problem and has developed the new spectrophotometer Spectro LFP RT (Large Format Printing). After the extremely successful models Spectro 100xy and Spectro 50xy all the experience and know-how has been integrated into the new Spectro LFP RT.

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 is used in modern Color Management for digital output of images.

Application fields

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

- 3 reading modes:
 - Automatic measurements
 - Single measurements
 - Density measurements
- The following materials printed on large format inkjet-printers can be measured automatically: papers, vinyl, textiles, cardboards, plastic plates, gypsum plates, wood, glass, stone and ceramics plates.
- Able to measure heavy and thick materials
- For reflective and transparent media
- Measuring aperture adjustable from 2 to 6mm
- High quality electronic components and modern assembling system
- Robust transport unit
- Compatible for Macintosh and PC
- Extremely high measuring precision and repeatability
- Creates high quality ICC profiles

Recommended accessories

- BARBIERI Profile-Xpert - Professional ICC profile creation software

Technical data

- Measuring speed: approx. 10min. for 1248 fields
- Maximum measuring area: 290 x 200mm
- Target thickness: max. 20mm
- Smallest measuring step: 0,2mm
- Measuring apertures:
 - reflection 2 to 6mm (adjustable)
 - transmission 2 to 6mm (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 (LxWxH)
- Weight: 11kg

Optionals

- Sample holder for extra heavy materials
- UV 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



New design



Robust transport unit



Sample holder for extra heavy materials