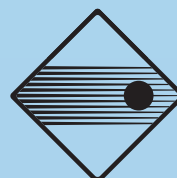
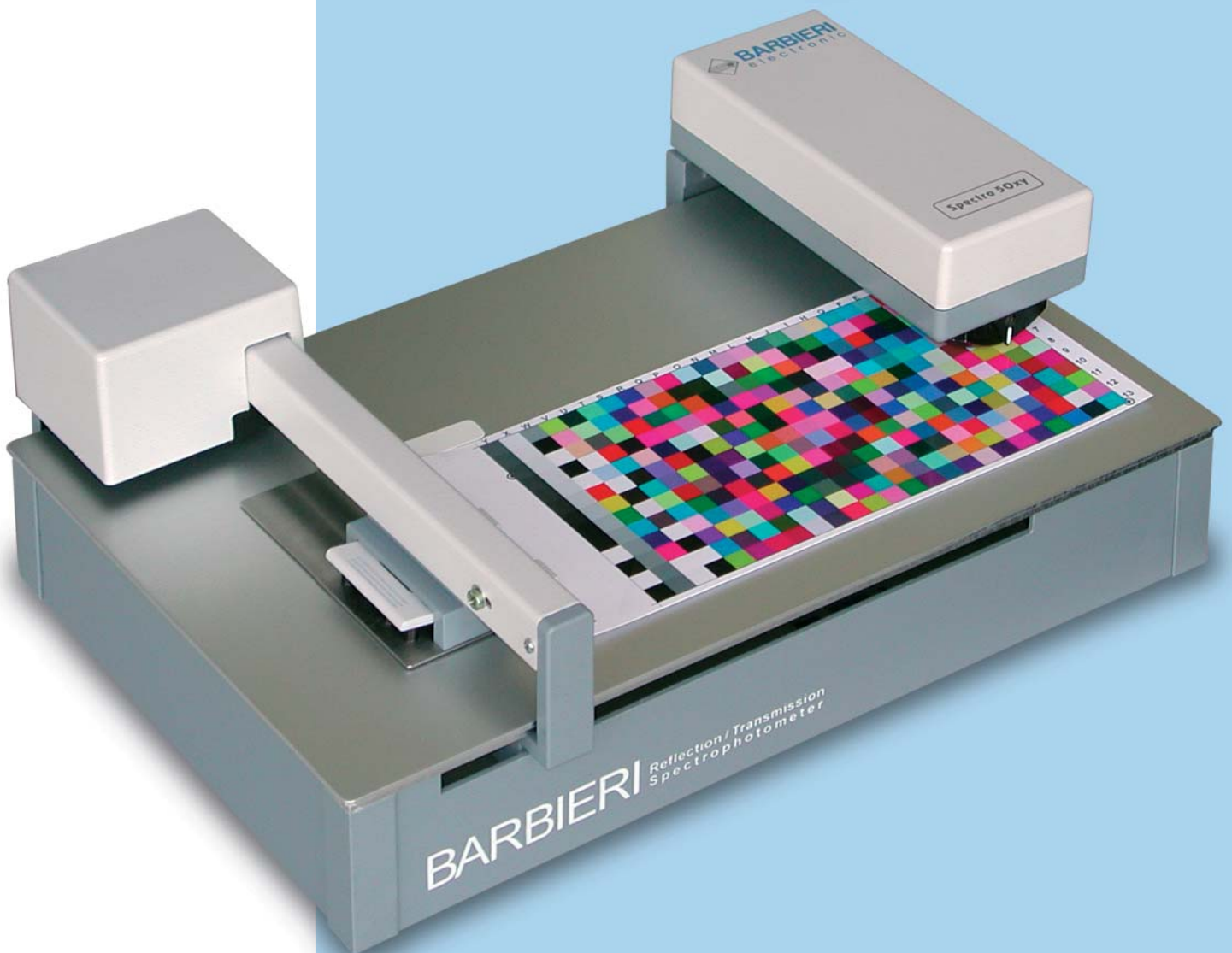


# BARBIERI Color Management

## Spectro 50xy

Automatic Reflection / Transmission Spectrophotometer



**BARBIERI**  
electronic  
*When Color Quality counts*

## Spectrophotometer Spectro 50xy

### Use

The Spectrophotometer Spectro 50xy 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 both reflective and transparent media
- Use as a densitometer to determine density values for films and papers
- Single measurements of logo-colors (Pantone) with subsequent check of the color-true printing

### Technical characteristics

- 3 reading modes:
  - Automatic measurements
  - Single measurements
  - Density measurements
- Automatic position of the target (without user intervention)
- Available in 2 versions:
  - Spectro 50xy R: reflection reading
  - Spectro 50xy RT: reflection and transmission reading
- For reflective or transparent media
- Suitable for various materials of different thickness (up to 2mm)
- High quality electronic components and modern assembling system
- Extractable support for large targets
- Robust transport unit
- Compatible for Macintosh and PC
- Extremely high measuring precision and repeatability
- For creation of high quality ICC profiles

### Recommended accessories

- Profile-Xpert - Professional ICC profile creation software

### Technical data

- Measuring speed: approx. 3min. for 343 fields
- Maximum measuring area: 175x91mm
- Target thickness: max. 2mm
- Necessary border on left side: 30mm
- Smallest measuring step: 0,3mm
- Measuring apertures:
  - reflection 4mm
  - transmission 4mm
- Geometry:
  - reflection 45°/0°
  - transmission d/0°
- Physical illumination: type A
- Measurement time: < 0,3sec.
- Repeatability:
  - < 0,2  $\Delta E_{94}$  or
  - $\pm 0,005D$  (up to 1.000D)
- Inter-instrument agreement: typ 1  $\Delta E_{94}$
- 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:
  - 310 x 200 x 105 mm (LxWxH)
- Weight: 2,5kg

### Optionals

- 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 10.3 or newer with min. 256 MB RAM



Extractable support for large targets



Robust transport unit