

Intelligent Measuring Technology
when Color Quality counts



Spectro pad[®] Digi Press

SpectroPad DigiPress is the **process control device for Digital Presses**. It is the ideal tool to keep your digital printing process under control. Within seconds, the operator can check color accuracy (against industry standards), color repeatability and spot colors. The ability to storage color libraries and create custom spot color libraries makes it extremely flexible and versatile. Moreover, it can be used for calibration (linearization and profiling) of digital printers. It works according to and complies with industry standards in place. Thanks to its independence from a computer, it can be used also directly on the printer. Its integrated touch display enables interaction with the device and provides instant measurement results.

Application fields

- Process control for digital presses:
 - a) Accuracy check (color fidelity)
 - b) Repeatability check (color stability)
- Single measurements of spot colors with subsequent check for color true printing
- Calibration (linearization and profiling)
- Image quality evaluations (homogeneity on the print according to Fogra M-Score)

Target markets

- Digital presses
- Professional digital printing

Main features

- Process control according to ISO 12647-7 and Fogra PSD
- Supports Ugra/Fogra, Idealliance and Barbieri DOC control strips
- Portable, wireless (battery operated, WiFi)
- Measurement aperture 2 x 3 mm
- Barbieri qb-technology inside (D50 LED illumination, next generation of highest precision spectral core)
- Humidity and temperature sensor
- Geometry: 45°:0°
- ISO 13655-2009 measurement condition: M1, M0 and M2 (UV-Cut)
- 1-line manual scanning in one pass
- Ruler build-in, compact design
- Touch Screen
- Includes free measurement software Barbieri Gateway for Mac and PC
- Supported by most LFP RIP-software (Refer to: www.barbierielectronic.com)

System requirements

- Microsoft Windows XP or later (32 and 64 bit)
- Mac OS X 10.5 or later (Intel)

Accessories Spectro pad[®] Digi Press



Carry Bag



Electrostatic sample holder





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Technical data

- Measuring modes:
 - Reflectance spot color with Delta E
 - Reflectance strip scanning with automatic patch detection
 - Process control (DOC- Digital Output Control) with pass/ fail analysis (supports Ugra/Fogra, Idealliance, Barbieri DOC control strips)
- Measurement: manual with expandable ruler for X-direction and roller guide for Y-direction
- Positioning: with laser pointer
- Measuring aperture: 2 x 3 mm diameter
- Patch size: 5 x 5 mm recommended
- Scanning speed: max. 200 meas./sec
- Maximum strip length: 290 mm
- Geometry: 45°:0°
- Physical illumination:
 - 3 point circumferential
 - 7 LED-chip illumination with adjustable color temperature
- ISO 13655-2009 measuring mode M1 and additional M0, M2 (UVcut)
- Measuring sensor: diffraction grating with diode array
- Spectral range: 380 ... 750 nm
- Spectral resolution: 2 nm
- Optical resolution: 10 nm
- Calibration: manual with internal white reference
- Short term repeatability: < 0,2 ΔE00 on white
- Inter-instrument agreement: 0,5 ΔE00 average, 1,0 ΔE00 max., on BCRA Series II tiles
- Internal memory: 4 GByte
- Ports:
 - USB 2.0, WiFi 2,4 GHz IEEE 802.11b/g/n (2,4 GHz only)
 - Open, WEP, WPA, WPA2 Security
 - FCC (USA), IC (Canada), CE (Europe), MIC (Japan), KCC (South Korea) Certified
- Display: 320x240 pixel, touch screen
- Battery: Li-Ion accumulator (2 hours continuous measurement)
- Interface: USB and WiFi for Mac, PC and Linux
- Temperature sensor:
 - range -20 ... +50 °C [-4 ... +122 °F]
 - resolution 0,1 accuracy: +/- 1,0
- Humidity sensor:
 - range 0 ... 100 %
 - resolution 1 accuracy: +/- 5%
- Dimensions: 210 x 220 x 90 mm (LxWxH)
- Weight: 1,4 kg

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- Mac OS X 10.5 or later (Intel)
- Including free measuring software Barbieri Gateway for Mac and PC

Accessories

- 110...240 Volt charger with international adapters
- USB cable
- Cleaning tissue