



## Datasheet Spectro pad<sup>®</sup> Series 2

### Technical data

- Measuring modes:
  - Reflectance spot color with Delta E
  - Reflectance strip scanning with automatic patch detection (linearization, profiling),
  - DOC (Digital Output Control – optional) with pass/ fail analysis
- Measurement: manual with expandable ruler for X-direction and roller guide for Y-direction
- Positioning: with laser pointer
- Measuring aperture: 6 mm diameter
- Patch size: 12x12 mm recommended
- Scanning speed: max. 200 meas./sec
- Maximum strip length: 290 mm
- Geometry: 45:0
- Physical illumination:
  - 3 point circumferential,
  - 7 LED-chip D50 illumination
- 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  $\Delta E_{00}$  on white
- Inter-instrument agreement:
  - 0,5  $\Delta E_{00}$  average, 1,0  $\Delta E_{00}$  max.,
  - on BCRA Series II tiles
- Internal memory: 4 GByte Ports: USB 1.1, WiFi 2,4 GHz IEEE 802.11b/g/n (2,4GHz 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

### System requirements

- Microsoft Windows 7 or later (32 and 64 bit)
- Mac OS X 10.10 or later
- Including free measuring software Barbieri Gateway for Mac and PC

### Accessories:

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