

# SpectroDens Basic



## **SpectroDens Basic**

Article Status : **Not-New - New Certificated by the manufacturer in 12-2011. The battery was replaced too.**

Techkon SpectroDens

Fundamental Advantages:

- + Patented measurement head for exact and direct positioning
- + Attractive, ergonomic design
- + handy and compact
- + Self-explanatory operation
- + Large, high-resolution display screen
- + Automatic measurement function displays always the relevant values
- + Polarization filter insertable by push of a button
- + Precise, quick measurement (approx. 1 sec.)
- + Approx. 10,000 measurements per battery charge
- + Quick recharge on practical charging console

Functions:

### **SpectroDens Basic**

- Automatic density
- Density CMYK (with reference measurements)
- Dot area, dot gain, print contrast
- Gray and color balance
- Ink trapping to Preucil

### **SpectroDens Advanced**

Same functions as SpectroDens Basic additionally

- Characteristic printing curve
- Spectral density for spot colors
- Trend function ExPresso mini
- Slur/ doubling value
- Dot area to Yule - Nielsen
- Ink trapping to Brunner and Ritz
- Density spectrum
- CIE Lab , ?Eab, CIE XYZ, CIE color circle
- Remission spectrum
- Color Library
- GrayGuide according to Gracol G7™

### **SpectroDens Premium**

Same functions as SpectroDens Advanced and additionally

- CIE LCh ab, CIE Luv, CIE LCh uv, CIE xyY, DIN Lab 99
- ?E cmc, ?E CIE94, ?E CIE 2000
- ISO - Check: Color control acc. to Iso 12647
- InkCheck: Evaluation of spot colors
- Metamery index
- Whiteness, yellowness
- Pass-/ fail tolerance, average
- Ugra/ fogra media wedge evaluation

## Specifications

**Measurement technology:**

Spectral remission measurement and color density determination to ISO 5-3/4

**Measurement geometry:**

0/45° optics to DIN 5033

**Spectral range**

400 to 700 nm in 10 nm steps

**Measurement aperture**

3 mm round standard; Optional: 1.5 mm round, 3 mm round with UV-Cut filter

**Light source**

Gas-filled lamp, type A illumination

**Polarization filter**

Twice linear crossed, switched on and off per button release

**Measurement time**

Approx. 1 second per measurement

**White reference**

Absolute and relative; absolute white standard integrated and protected in charging console

Illumination types / Standard observer A, C, D50, D65, F 2/7/11 / 2°, 10°

**Density filter**

DIN 16536, DIN 16536 NB, ISO/ANSI T, ISO/ANSI I, ISO E, Dmax (only Advanced, Premium)

**Density measurement range**

0.00 D – 2.50 D

**Repeatability**

0.01 D; 0.03 CIE  $\Delta E^*a^*b^*$

**Inter-instrument agreement**

0.01 D; 0.3 CIE  $\Delta E^*a^*b^*$

**Display**

High-contrast, LCD-graphic backlight display, 240 x 160 pixels, 16 gray levels

**Power supply**

Rechargeable NiMH battery, regulated recharge via charging console with AC adapter,

100 – 240 V, 47 – 63 Hz, up to 10.000 measurements per battery charge, battery level control

**Communication-Port**

USB

**Weight**

520 grams

**Dimensions**

65 x 65 x 190 mm (approx. 2.6 x 2.6 x 7.5 inch)

**System requirements**

for software SpectroConnect: Windows XP, Vista or 7



Please only contact us via our registration form and only if you are a business person yourself. Every offer is subject to prior sale and includes your acceptance to our terms & conditions [Terms and conditions \(AGB\)](#). All logos and trademarks on this site are the property of their respective owners.

You will always receive an invoice including tax, which can be paid via wire transfer, in advance or cash. If you register on paypal, you may also pay by charging your paypal account with your credit card. If you are an EU member and you have a validated tax number which can be validated here: [VIES VAT number validation / MwSt.-Informationsaustauschsystem MIAS\) Validierung der MwSt.-Nummer](#) then you pay tax-free. If you are from outside the EU, you can only pay tax-free, if the export is done with the transport company, called 'Schenker'. If you are not using 'Schenker', we cannot guarantee that we will get the export confirmation in time. In that case, you have to pay tax and you get it.

Mitglied der

**Brakensiek Systemhaus  
GmbH & Co. KG  
Klönnestraße 94  
D-44143 Dortmund****BRAKENSIEK®**  
**SYSTEMHAUS**

Mitglied im

**[www.brakensiek.com](http://www.brakensiek.com)****Tim Brakensiek**

Mitglied des

 **+49(0)231.985-00 10**

Premium Partner

 **+49(0)231.985-2000**