Touch the color with spectro2guide
The revolution in color management

www.touchthecolor.com

A member of ◐ **ALTANA**

◐ **BYK**

Our vision has always been to create a high-tech color instrument to guarantee a top performance, but at the same time follow our customers' wish to "Keep it Simple". By "thinking-out-of-the-box" and working with new and innovative technologies from Design to R&D to Production that vision is now reality with the spectro2guide.

**Raise your expectations and be ready for the future.**

spectro2guide

Revolution in Color Control
Color. Gloss. Fluorescence.

The spectro2guide spectrophotometer represents the next step in the evolution of color measurement. Just like its predecessor, color and 60° gloss are measured simultaneously. Completely new is the prediction of color stability by measuring like a fluorimeter with monochrome illuminations.

Perfectly Formed Design
Approachable. Balanced. Upfront.

The design of the spectro2guide follows a very simple rule, which is not so easy to put into practice: "Form follows function". Due to its balanced and upfront design, the display is always in the right position and easy-to-read, whether on horizontal, vertical, large or small surface areas – even true for overhead work. You no longer need to bend out of shape for measurement and data reading. The display flips around for you.
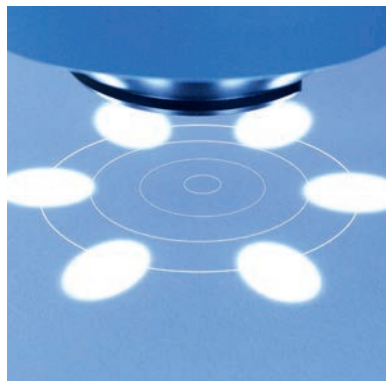
BYK LED Technology
High-tech. Smart. Experienced.

The spectro2guide uses innovative, high performance LED technology as light sources. Smart testing combined with our long-standing experience guarantees an outstanding performance of the LEDs. Short-term, long-term and temperature stability as well as a homogeneous illumination spot are unsurpassed in the industry. As a result, a superior accuracy and excellent inter-instrument agreement allow use of digital standards – the key for global color management.
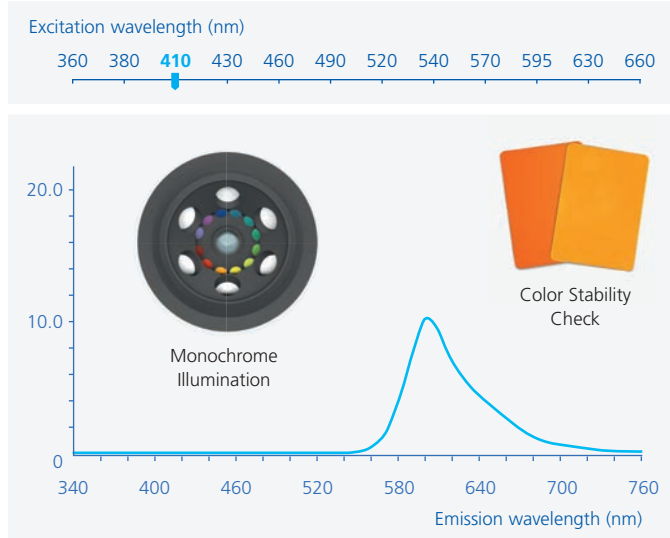
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Brilliant Color Display
Swipe. Touch. Measure.

As for mobile phones, there is a trend towards ever-larger displays. The spectro2guide is completely in line with this trend offering a 3.5" color touchscreen – the largest on the market. An icon-based menu, colorful data tables and graphics ensure an intuitive smart phone like operation.

Excitation wavelength (nm)

360 380 **410** 430 460 490 520 540 570 595 630 660

20.0

10.0

Monochrome
Illumination

Color Stability
Check

0

340   400   460   520   580   640   700   760

Emission wavelength (nm)

Color Stability Prediction
Excited. Emitted. Shifted.

The combination of a spectrophotometer with a fluorimeter opens up completely new perspectives to control color harmony and guarantee color stability. The new index DFI is a measure for the amount of fluorescent light – important to know as sunlight exposure can cause color fading. In addition, the new DEzero predicts the color change of a sample pair after the fluorescence has degraded.

Preview with Camera
Strike. Score. Save.

An integrated camera shows a live preview of the measurement spot. To ensure precise positioning and to prevent false readings on imperfections or scratches, the measurement spot is magnified by a factor of 4.5:1.

Flexible Data Transfer
Wireless. Boundless. Flawless.

The spectro2guide offers three possibilities to transfer data into the software: Via docking station, directly connected with USB cable or wireless with Wi-Fi function. The modern and intuitive software, smart-chart, documents and analyzes color data efficiently – tailor-made for color control in the production or analysis in the laboratory.

Smart Docking Station
Park. Charge. Control.

Accurate readings require reliable calibration. As first spectrophotometer on the market, the spectro2guide offers auto diagnosis and an automatic calibration function. The spectro2guide with the docking station make a perfect couple – the white calibration standard is always protected and a reliable calibration is guaranteed. Moreover, the docking station automatically charges the instrument.

Color

Geometry	45°c:0°, d:8° (spin/spex)
Aperture Size	12 mm / 8 mm
Spectral Range Color	400–700 nm, 10 nm resolution
Spectral Range Fluorescence	340–760, 10 nm resolution
Repeatability[1]	0.01 DE* (10 consecutive measurements on white)
Reproducibility[1]	0.1 DE* (average on 12 BCRA II tiles)
Color Systems	CIELab/Ch, Lab(h), XYZ, Yxy
Color Differences	ΔE*, ΔE(h), ΔEFMC2, ΔE94, ΔECMC, ΔE99, ΔE2000
Indices	YIE313, YID 1925, WIE 313, CIE, Berger, Color Strength, Opacity, Metamerism, Grayscale, Jetness
Illuminants	A, C, D50, D55, D65, D75, F2, F6, F7, F8, F10, F11, UL30
Observer	2°, 10°

[1] Standard deviation

Gloss

Aperture Size	5 x 10 mm	
Measurement Range	0–20 GU	20–100 GU
Repeatability	± 0.1 GU	± 0.2 GU
Reproducibility	± 0.2 GU	± 1.0 GU

General Data

Memory	4000 standards and 10 000 samples
Languages	English, German, French, Italian, Spanish, Russian, Japanese, Chinese
Dimensions (LxWxH)	87 x 110 x 188 mm (3.4 x 4.3 x 7.4 in)
Weight	707 g (d/8), 690 g (45/0)
Interface	USB-C (instrument), USB-B (docking station)
Battery	7.2 V, 2350 mAh, 16.92 Wh
Device	Input 12 V, max. 2 A (docking station) 5 V, max. 2 A (USB-C)
Docking station	Input 12 V, max. 2 A (power supply) Input 5 V, max. 0.5 A (USB-B) Output 12 V, max. 2 A
Power supply	Input 100–240 V, 50–60 Hz, max. 1 A Output 12 V, max. 3 A

Comes complete with:

- spectro2guide, spectrophotometer
- Docking station with built-in calibration standard
- Additional calibration standard
- Certificate for calibration standard
- Software: smart-chart with 2 licenses
- USB cables and WiFi function for data transfer
- Protection cap and hand strap
- Operating manual
- Carrying case
- Installation training included