

spectro2go

Two in One

Color. Gloss. Fluorescence.

The overall appearance of a product is influenced by color and gloss. To ensure color harmony spectro2go measures color and 60° gloss simultaneously in compliance with international standards. Input of tolerances for color and gloss allow quick pass/fail decisions at the line.



Perfectly formed Design

Approachable. Balanced. Upfront.

The new instrument 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.

Brilliant Color Display

Swipe. Touch. Measure.

As for mobile phones, there is a trend towards ever-larger displays. The new 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. As you are used to, you can touch or swipe with your fingers – it even works when wearing gloves. Alternatively, you also can use a stylus, which is enclosed in the housing – always handy.



Preview with Camera

Strike. Score. Save.

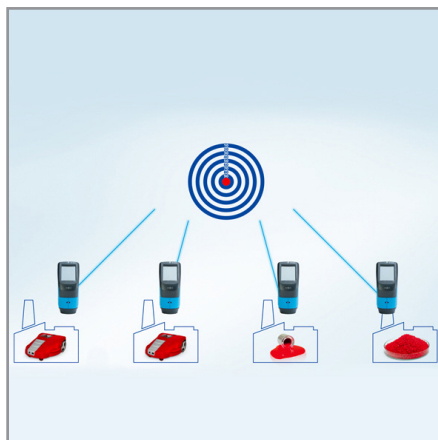
An integrated camera shows a live preview of the measurement spot. To ensure precise positioning and to prevent false readings on imperfections or scratches, the measurement spot is magnified by a factor of 4.5:1. It is so easy – just press the measurement button halfway and the live preview is active.



BYK LED Technology

High-tech. Smart. Experienced.

Like the predecessor, 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. One binding reference eliminates sources of error and physical standards no longer need to be exchanged. Digital standards bring the complete supply chain on target.



Auto Reminder for Calibration

Check. Calibrate. Safe.

As the spectro2go comes without docking station, the longterm calibration of the instrument can be monitored on an external color and gloss test standard. If the values are out of specification, the instrument will automatically ask you to calibrate on the instrument white standard. To charge the spectro2go an external power supply is included.

Note: The docking station can be purchased as an optional accessory.



Color Control of Small Parts

Small. Smaller. spectro2go XS.

The visual impression defines our judgment of quality and is the key driver in our purchasing decision. Color uniformity, also referred to as "Color Harmony", is especially important for multi-component products. Small parts can easily stand out like a thorn in the side, if their color does not match the other components.

The spectro2go XS with a smaller measuring aperture (5 mm) now enables the color quality control of small parts and completes the family.



Flexible Data Transfer

Wireless. Boundless. Flawless.

The spectro2go offers two possibilities to transfer data: USB cable - wireless with WiFi.

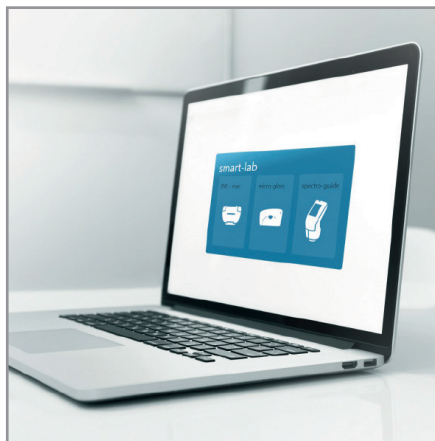
Dependent on your needs, data analysis can be done with either smart-lab or smart-process.

smart-lab for ONLINE measurement and memory transfer:

- Data analysis in all color systems with scatter and line graphs
- Data is organized in projects with easy to share xml files

smart-process for a STANDARDIZED QC:

- Sampling process with digital standards defined in Organizers
- Comprehensive data analysis with easy filtering and statistical analysis



Gloss Standards

ASTM D 523
ASTM D 2457
DIN 67530
ISO 2813, 7668

Color Standards

ASTM D 2244, E 308
ASTM E 1164
DIN 5033, 5036, 6174
DIN EN ISO 11664



Short Description	spectro2go 45/0	spectro2go d/8	spectro2go XS
Catalog Number	7085	7086	7095
Color Geometry	45°c:0°	d:8° (spin/spex)	
Measuring Capability	Color, Gloss		Color
Spectral Range Colorimetric	400 - 700 nm, 10 nm resolution		
Measurement Range	0 - 170% remission		
Sample Port	12 mm		05 mm
Measuring Area	08 mm		04 mm
Repeatability Color	0.01 ΔE94 (10 consecutive measurements on white)		
Reproducibility Color	0.1 ΔE94 (average of 12 BCRA II tiles)		
Color Systems	CIELab/Ch, Lab(h), XYZ; Yxy		
Color Differences	ΔE*; ΔE(h); ΔECMC; ΔE94; ΔE99; ΔE2000; E2000 PF; ΔE DIN6175-2019		
Color Indices	YIE313, YID1925, WIE313, CIE, Berger, Color Strength, Opacity, Metamerism, Grayscale		
Illuminants	A, C, D50, D55, D65, D75, F2, F6, F7, F8, F10, F11, UL30, CIE 015:2018 LED Illuminants		
Observer	2°, 10°		
Gloss Geometry	60°		
Gloss Aperture	5 x 10 mm		
Repeatability Gloss 0-20	± 0.1 GU		
Repeatability Gloss 20-100	± 0.2 GU		
Reproducibility Gloss 0-20	± 0.5 GU		
Reproducibility Gloss 20-100	± 1.0 GU		
Memory	4.000 Standards and 10.000 Samples		
Languages	DE, EN, ES, FR, IT, JA, RU, ZH		
Interface	USB port		
Battery	7.2 V, 2350 mAh, 16.92 Wh		
Weight	0.7 kg 1.5 lb		
Dimensions: L x W x H	8.7 x 11 x 18.8 cm 3.4 x 4.3 x 7.4 in		
Operating temperature	10 - 40 °C 50 - 104 °F		
Relative humidity	Up to 85 % non-condensing at 35 °C (95 °F)		

Delivery Content

Spectrophotometer, White calibration standard, Color and gloss checking standard, Certificate, Software with two licensees for download: smart-lab Color (7083) or smart-process Color (7084). USB online cable type C/A for data transfer (7078), External power supply (type A/C/G/I) (7305), Stylus (7079), Protective cap (7076), hand strap, Short Instructions, Carrying case, 1-day training

System Requirements

Operating system: Windows® 10 1607 or later
Hardware: i5 2.5 GHz; i9 recommended, or equivalent (x86 & x64 architecture only)
Memory: 16 GB RAM, 32 GB recommended
Free hard-disk capacity: 4 GB during installation
Monitor resolution: 1920 x 1080 pixel; 4K recommended
Interface: free USB-port

Catalog Number	Short Description	Delivery Content
7076	Protective Cap, spectro2guide	
7077	USB Interface Cable, spectro2guide	
7078	Online Cable for spectro2 and 7300	
7079	Stylus, spectro2guide	10 pieces per pack
7083	smart-lab Color	Software with 2 licenses for download
7084	smart-process Color	Software with 2 licenses for download
7073	Positioning Adapter for spectro2	
7080	Docking station for spectro2guide	
7305	Power Supply for 7085, 7086, 7300	