Mobile Color Control for On-site Needs

spectro2go

Two in One
Color. Gloss. Harmony.

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

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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 spectro2go 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.

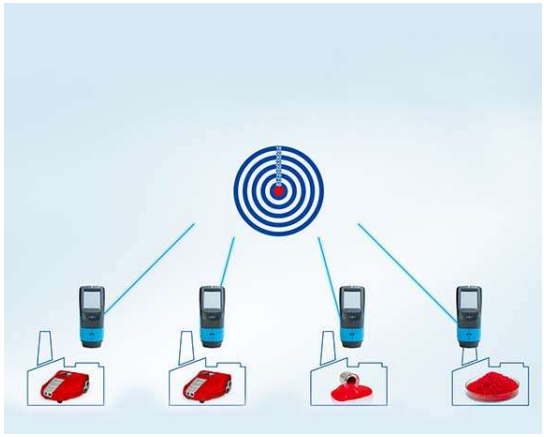
Preview with Camera
Strike. Score. Save.

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.

The spectro2go uses innovative, high-tech 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.

Being part of the family, digital standards can also be exchanged with the spectro2guide which additionally predicts color stability by means of a built-in miniature fluorimeter.



Auto Reminder for Calibration
Check. Calibrate. Safe.

As the spectro2go comes without docking station, the long-term 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.

Flexible Data Transfer
Wireless. Boundless. Flawless.

The spectro2guide offers three possibilities to transfer data:
Via docking station - 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
- Data are saved in a sdf database
- Comprehensive data analysis with easy filtering and statistical analysis

In compliance with:

Standards

	Color	Gloss
ASTM	D2244, E308, E1164	D523, D2457
DIN	5033, 5036, 6174	67530
DIN EN ISO	11664	
ISO	7724 (withdrawn)	2813, 7668

Ordering Information

Cat. No.	Description
7086	spectro2go, d/8
7085	spectro2go, 45/0

Comes complete with:
Spectrophotometer
Color and gloss test standard
White calibration 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

Note: After installation both software packages, smart-lab Color and smart-process Color, can be used for 30 days free trial. Thereafter, the user needs to decide and register for one software package.

System requirements:
Operating system: Windows® 10 v.1607
Microsoft® .NET Framework 4.72
Hardware: i3, 2.5 GHz; i7 recommended, or equivalent
Memory: 4-8 GB RAM, 16 GB recommended
Hard-disk capacity: 4 GB during installation
Monitor resolution: 1280 x 1024 pixel or higher
Interface: free USB-port

Technical Specifications

Color Geometry	Gloss Geometry	Color Aperture	Gloss Aperture
d:8° (spin/spex)	60°	12 / 8 mm	5 x 10 mm
45°c:0°	60°	12 / 8 mm	5 x 10 mm

Color

Spectral Range Color	400 – 700 nm, 10 nm resolution
Measurement Range	0 – 170% reflection
Repeatability [1]	0.01 ΔE94 (10 readings on white)
Reproducibility [1]	0.1 ΔE94 (average of 12 BCRA tiles)
Color Systems	CIELab/Ch, Lab (h), XYZ, Yxy
Color Differences	ΔE*, ΔE(h), ΔECMC, ΔE94, ΔE99, ΔE2000
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
Observer	2°, 10°

Gloss

Measurement Range	**0 – 20 GU**	**20 – 100 GU**
Repeatability [1]	± 0.1 GU	± 0.2 GU
Reproducibility [1]	± 0.2 GU	± 1.0 GU

General Data

Memory	4.000 standards and 10.000 samples
Languages	English, French, German, Italian, Spanish, Russian, Japanese, Chinese
Interface	USB-C (instrument), USB-B (docking station)
Battery	7.2 V, 2350 mAh, 16.92 Wh
Dimensions	87 x 110 x 188 mm (3.4 x 4.3 x 7.4 in)
Weight	approx. 700 g (1.55 lb)
Temperature Range	Operation: +10 - 40°C (+50 - 104°F) Storage: 0 - 60°C (+32 - 140°F)
Rel. Humidity	Up to 85% at 35°C (95°F), non-condensing

[1]Standard deviation

spectro2go Training

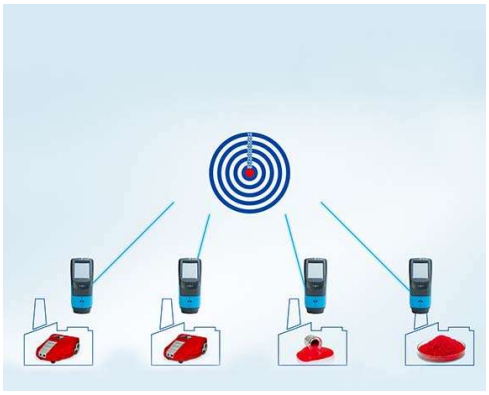
BYK-Gardner offers you more than just an instrument. We train you on color and gloss, how to operate spectro2go and data analysis with smart-chart. Therefore, the instrument comes with a 1-day training course including:

Color and Gloss and Theory

- Building blocks of color and gloss: illuminant, observer, object
- Color differences with interpretation

spectro2go Operation

- Configuration of instrument
- Handling and operation



Excellent inter-instrument agreement for digital standards.

smart-lab Color Training

- Standard management
  - Define color families with color equation and limits
  - Exchange digital standards among the global supply chain
- Data analysis using standard reports:
  - Scatter graph for Pass/Fail color analysis
  - Metamerism graph to judge color match under different illuminants
- Dynamic print layout and export of data to Excel®

smart-process Color Training

- Standard management
  - Define color families with color equation and limits
  - Exchange digital standards among the global supply chain
- Set-up “Organizer to define a standardized measurement procedure
- Measurement of several products & saving in database
- Data analysis using standard reports:
  - Test Report of a single test series
  - Scorecard as executive summary
  - Trend Report of a specific color/product over selected time range with comparison function
- Dynamic print layout and export of data to Excel®