
# Touch the color

## with spectro2guide and color2go

A member of ALTANA

BYK

A uniform and consistent color is key for the perception of product quality! To help our customers consistently meet the required quality standards, we offer a comprehensive range of portable spectrophotometers designed to support your specific needs.

# Explore our **portable lineup**

The **spectro2guide** is the only spectrophotometer that combines color and gloss measurement with the world's smallest fluorimeter. This opens completely new perspectives to not only control color harmony, but also to analyze the long-term color stability based on fluorescence.

The **Pro-model** has a superior technical performance to measure deepest blacks accurately including Jetness indices.

All models of the **spectro2family** use proven BYK LED technology for exceptional accuracy and seamless exchange of digital standards, even with the **color2view** benchtop.

The **color2go** is a spectrophotometer that combines color and 60° gloss measurement with a compact design. Digital standards can be seamlessly exchanged within the family thanks to the excellent technical performance.

For those on a tight budget, we offer the **color2check:** An affordable alternative to color control, whereas working standards must be measured as a reference. With its compact yet robust design and equipped with a garage for safe storage, the new color2check offers a simple and affordable start to color quality control.



# for color control

**Perfect vertical design**

## Approachable. Balanced. Upfront.

The large color touchscreen combined with an intuitive smart phone like operation, and a camera preview of the sample surface makes color measurement easier than ever before – even on curved samples, you will always hit the right spot. As small parts can easily stand out like a thorn, if their color does not match the other components, the XS model with a reduced measuring aperture is ideal for color quality control of small parts.

**Global color management**

## Digital. Cross-Family. Pioneering.

Distributing and measuring physical standards are time-consuming and involves many sources of error. To set-up a seamless global color management system the same binding standards need to be used by all involved parties. We have therefore made every effort to guarantee an excellent inter- and extra-instrument agreement allowing the exchange of digital standards – even with the color2view benchtop family. The seamless use of digital standards within the complete supply chain has become reality!

**Smart docking station**

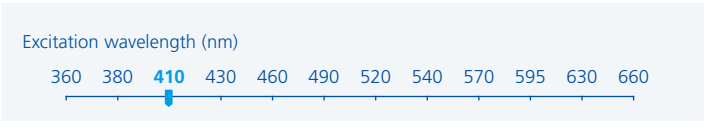
## Park. Charge. Control.

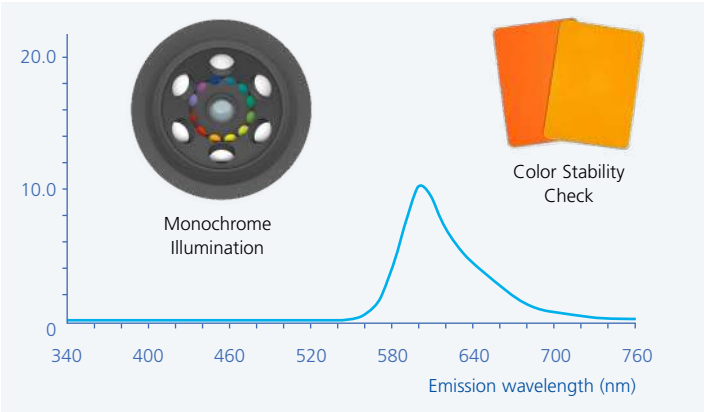
Reliable checking and calibration are essential for ensuring maximum precision. To ensure that you can always rely on your spectro2guide, it is equipped with a docking station that performs an auto-diagnosis and automatically prompts you to calibrate if necessary. Moreover, the docking station can be used for data transfer to the software and,
of course, for charging.

**Fluorescence measurement**

## Prediction. Color. Stability.

Although fluorescent materials have been used in many different industries for decades, their quality control has always been a major challenge. The spectro2guide offers for the first time an affordable and at the same time accurate fluorimeter on an industrial scale, which enables the quality control of fluorescent material. The new dE FI index provides a prediction of how much a fluorescent sample is likely to change due to exposure to sunlight.



**Perfect horizontal design**

## Balanced. Compact. Sturdy.

Economical and reliable operation of a portable spectrophotometer is often taken as given. The color2go with its light weighted, compact and at the same time rugged design makes quality control simple and secure. The 2.8" color touchscreen with its 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.


**Fluorescence warning**

## Indication. Color. Stability.

If a material contains fluorescent ingredients, the color may change during its lifetime due to sunlight expose. Your color2go provides you with a warning message of whether a material contains fluorescence.

**Convenient parking**

## Park. Protect. Store.

The color2go and color2check does not come alone but together with a matching garage. Well protected from dirt, the color2go can be stored in the garage, as soon as it is no longer needed. Furthermore, the garage offers a storage location for the test standard box so that it is always close at hand.

**Tailored color control**

## Outstanding. Technical. Performance.

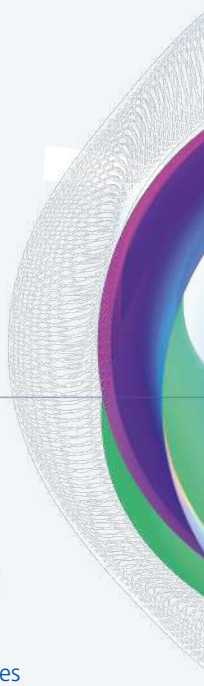
The technical performance required from a portable spectro may vary depending on the application, defined specifications and quality requirements. Whether it is part of a global supply chain or used for internal quality control only, is another important aspect for selecting the right model. To meet all needs, the color2check is developed for the tight budget with wider specifications for internal checking, while the color2go offers enhanced accuracy and the ability to exchange digital standards for global supply chain management.

**BYK LED technology**

## High-tech. Smart. Experienced.

Due to the proven BYK LED technology based on stringent selection criteria and a homogenous illumination of the measurement spot, short-term and long-term repeatability of our portable spectro's are unsurpassed in the industry. The temperature behavior of electronic and optical components is controlled to guarantee temperature stability between 10 °C and 40 °C – no need for re-calibration up to three months. Furthermore, the BYK LED technology guarantees superior accuracy for many years and low maintenance efforts with 10 years warranty on the light source.

## smart-chart
## Data. Analysis. Software.



**smart-lab**

### Smart flexibility, right where you need it!

Analysis of color data in the lab for QC of supplied parts or for R&D tasks requires a high degree of flexibility. Many different products mean that it is often complicated to define a standardized measurement procedure.

- Data can be measured either in ONLINE mode or transferred from instrument memory
- L*a*b* data under different illuminants and color indices analysis can be displayed simultaneously in a data table, scatter graph or trend line
- Fluorescence data provided by spectro2guide can be analyzed with the "fluorescent slider"
- New color tolerance development made easy

**smart-process**

### Efficiency through smart standardization!

To set-up up a standardized global QC management system a routine process control is needed. This includes binding references, a defined measurement procedure and a standardized reporting system that can efficiently analyze large data volumes over a long time.

- Production data is saved in a SQL database that can recite locally or on a SQL server
- SPC reports with adjustable layout to analyze color and gloss data can be saved and shared globally
- Easy exchange of digital standards with binding tolerances among the global supply chain
- Organizers with product schematics for a standardized test sequence and clear sample identification

| Short description | spectro2guide PRO | spectro2guide | | spectro2go | | color2go | | color2check | |
|---|---|---|---|---|---|---|---|---|---|
| Catalog number | 7087 | 7070 | 7075 | 7086 | 7085 | 7635 | 7630 | 7650 | 7652 |
| Measurement method | Color<br>Gloss<br>Fluorescence<br>Jetness | Color<br>Gloss<br>Fluorescence<br>Measurement | | Color<br>Gloss | | Color<br>Gloss<br>Fluorescence<br>Indication | | Color | |
| Geometry | 45°c:0° | d:8°<br>Spin/Spex | 45°c:0° | d:8°<br>Spin/Spex | 45°c:0° | d:8°<br>Spin | 45°c:0° | d:8°<br>Spin | 45°c:0° |
| Sample port/<br>Measure area | 12/8 mm | 12/8 mm | 12/8 mm | 12/8 mm | | 12/8 mm | | 12/8 mm | |
| Repeatability | 0.01 ΔE*<br>(10 consecutive measurements on white) | 0.01 ΔE*<br>(10 consecutive measurements on white) | | 0.01 ΔE*<br>(10 consecutive measurements on white) | | 0.01 ΔE*<br>(10 consecutive measurements on white) | | 0.01 ΔE*<br>(10 consecutive measurements on white) | |
| Reproducability | 0.1 ΔE94<br>(average of 12 BCRA II tiles) | 0.1 ΔE94<br>(average of 12 BCRA II tiles) | | 0.1 ΔE94<br>(average of 12 BCRA II tiles) | | 0.1 ΔE94<br>(average of 12 BCRA II tiles) | | 0.3 ΔE94<br>(average of 12 BCRA II tiles) | |
| Smart dockingstation | Dockingstation | Dockingstation | | Dockingstation optional | | - | | - | |
| Data transfer | WiFi<br>USB-C | WiFi<br>USB-C | | WiFi<br>USB-C | | WiFi optional<br>USB-C | | WiFi optional<br>USB-C | |
| Software | 2 smart-chart licenses<br>(Sensor optional) | 2 smart-chart licenses<br>(Sensor optional) | | 2 smart-chart licenses<br>(Sensor optional) | | 2 smart-chart licenses<br>(Sensor optional) | | smart-chart optional | |

**measure the visible** and beyond.



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