



New!

Touch the color with color2view

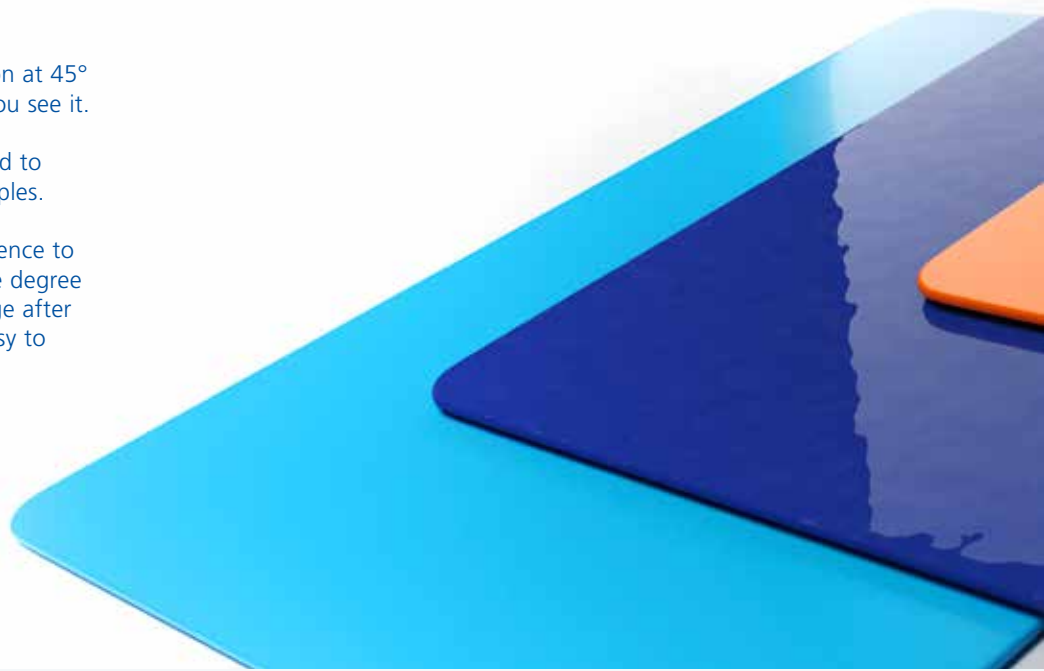
The revolution in color management

Three in One Color. Gloss. Fluorescence.

The color2view uses circumferential illumination at 45° with 0° viewing angle – to measure color as you see it.

Simultaneously 20° and 60° gloss are measured to clearly differentiate medium to high gloss samples.

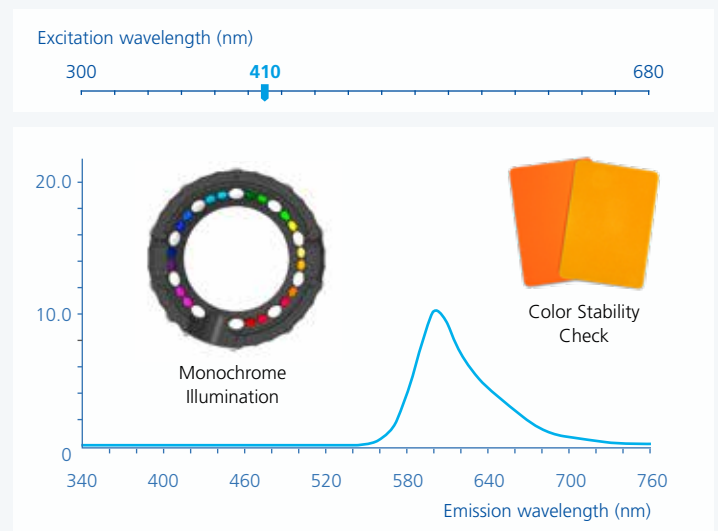
A new feature is the quantification of fluorescence to predict lightfastness. Colorful graphs show the degree of fluorescence and the calculated color change after fluorescence degradation is displayed with easy to understand CIELAB- and DE data.



Prediction of Lightfastness Excited. Emitted. Shifted.

The combination of a spectrophotometer with a fluorimeter opens up completely new perspectives to control color quality and guarantee color stability.

Lightfastness is analyzed with proprietary calculations predicting the color change with total color difference DE as well as individual color component deltas DLABCH. The excitation and emission range of fluorescent behavior is displayed with the slider function in smart-lab.



High-tech manufacturing and smart LED Technology High-tech. Smart. Experienced.

Due to the proven BYK LED technology based on stringent selection criteria and a homogenous illumination of the large measurement spot, short-term and long-term repeatability 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.

All together highest accuracy and inter-instrument agreement are ensured to enable a global color management with digital standards.





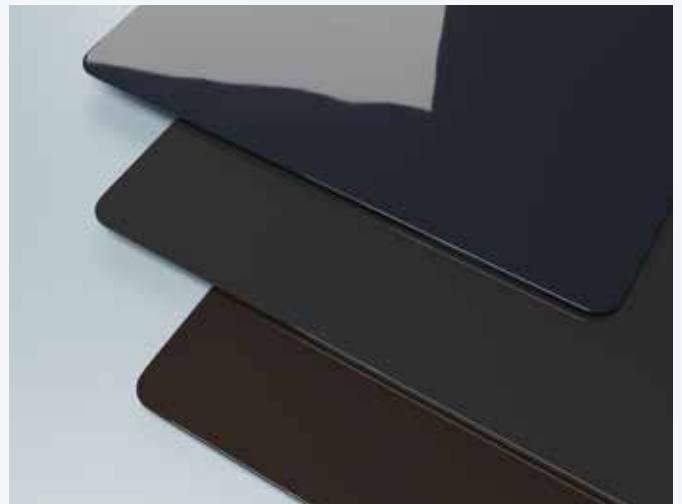
color2view for Raw Materials Automatic. Reliable. Results.

There are almost as many different types and forms of plastic raw materials as there are different areas of enduse. As most of plastic pellets are typically translucent, nonuniform in size and inhomogeneous in color, guaranteeing lot-to-lot color consistency is the ultimate challenge. Repeatable and reproducible measurement results with minimal operator sample handling can only be achieved using a high-performance benchtop spectrophotometer with accessories specially designed to save sample preparation time and to increase measurement accuracy of the plastic raw material.

color2view Pro Ultimate. Top. Unsurpassed.

The color black has always been a special challenge for color measurement and puts the quality of a spectrophotometer to the ultimate test. Since hardly any light is reflected from the sample, the measured values are affected by so-called instrument noise and can vary considerably from one instrument to the next.

The color2view Pro features excellent technical performance which also is assured for the very low reflectance range $R < 0.1\%$. Additional control and calibration steps during the production process as well as a special Jetness mode with higher light energy guarantee repeatable and reliable measurement results even for the deepest black.



color2view X Flexible. X-change. Match.

Adaptability to change is an essential key to sustainable success. This is also essential for measuring tools used for quality control. Over the life of a benchtop spectrophotometer, the products to be tested, and thus, the handling requirements can change. We have equipped the color2view X with intelligent, exchangeable apertures to make it flexible and future-proof.



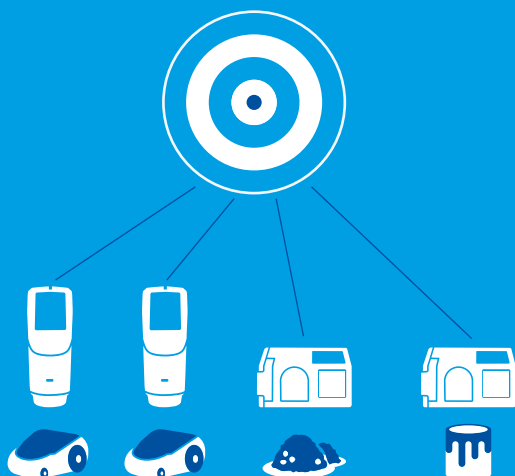


Global Color Management Digital. Cross-Family. Pioneering.

Measurement needs are different within a supply chain. A paint or plastic pellet manufacturer prefers a benchtop instrument to repeatably measure panels or granulates in the laboratory, while finished goods need to be directly controlled at the production line where portable instruments are required. To set-up a seamless global color management system the same binding standards need to be used by all involved parties.

For the first time ever in the industry, digital standards can be exchanged between benchtop and portable color instruments. Due to the excellent intra-instrument agreement between color2view and spectro2guide, the seamless use of digital standards has become reality – without any extra-profiling.

The new generations of spectro2guide and color2view open up completely new horizons.



Perfectly Formed Design Turnable. Balanced. Compact.

Samples of different sizes and shapes can be a challenge for proper instrument positioning and can turn the workflow upside down.

The new color2view even has two sample openings "top and front" to best suit your application. Turning the instrument is easy thanks to its compact and lightweight design.



Positioning of Samples Soft. Invisible. Handy.

How to make sample handling easy and ensure repeatable positioning?

Our smart sample holder can be stored flat in the housing of the measuring instrument when not in use. On its way to the aperture, it can be parked at several positions so that sensitive samples can be picked up with 2 hands – without having to hold the sample holder. During the measurement, it fixes the sample in its intended place and after the work is done, it closes gently thanks to the soft-close function.

Brilliant Color Display

The color2view offers a brilliant, capacitive touchscreen and an icon-based navigation to offer an intuitive, smartphone like operation. You can touch and swipe without pressure – it even works wearing gloves. An integrated camera permits a live preview of the measurement spot. This prevents false readings on imperfections or scratches and ensures precise positioning of the sample.

Storage of Standards

It's often the little things that make life a lot easier: a light switch in the right place, a cup holder in the optimal size and position... For this reason, we have given a lot of thought to easy handling and operation. The result is a storage compartment for standards. This way, the standards are always at hand and well protected.



smart-chart Software

The color2view comes with the software smart-chart as a complete system:

A powerful standard management module lets you pick the right color system with tolerances and define measurement conditions. The data can be stored in a SQL-database for efficient data handling or in projects files (XML format) for easy communication exchange. The professional data analysis provides a comprehensive and flexible data analysis and yet is easy to use with pre-configured graphs.



Product name	color2view		color2view X	color2view Pro	color2view Pro X
Catalog number	7600		7604	7610	7605
Color Geometry	45°c:0°			Color, Gloss, Fluorescence, Jetness	
Measuring capability	Color, Gloss, Fluorescence				
Measurement Range Color	400–700 nm, 10 nm resolution				
Measurement Range Fluorecence	300–760 nm, 10 nm resolution				
Color Aperture/Measurement spot	Ø 32/22 mm	Ø 32/22 mm Ø 12/08 mm	Ø 32/22 mm	Ø 32/22 mm Ø 12/12 mm Ø 05/04 mm	
Repeatability Color	0.01 ΔE* (10 readings on white)				
Reproducibility Color	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, ΔE2000PF				
Illuminants	A, C, D50, D55, D65, D75, F2, F6, F7, F8, F10, F11, UL30				
Observer	Observer 2°, 10°				
Color Indices	YIE313, YID1925, WIE313, CIE, Berger, Color Strength, Opacity, Metamerism, Grayscale				
Fluorescent Indices	ΔEFL, ΔEzero				
Jetness Indices				M _y , Mc, dM, G _y , Gc, dG	
Repeatability Jetness				± 0.003 (for Y < 0.5)	
Gloss Geometry	60°				
Gloss Aperture	9 × 16 mm				
Repeatability Gloss for Measurement Range 0–20 GU	± 0.1 GU				
Repeatability Gloss for Measurement Range 20–100 GU	± 0.2 GU				
Reproducibility Gloss for Measurement Range 0–20 GU	± 0.5 GU				
Reproducibility Gloss for Measurement Range 20–100 GU	± 1.0 GU				
Gloss Geometry	20°				
Gloss Aperture	10 × 9 mm				
Repeatability Gloss for Measurement Range 0–100 GU	± 0.2 GU				
Reproducibility Gloss for Measurement Range 0–100 GU	± 1.0 GU				
Memory	4,000 standards and 10,000 samples				
Languages	English, French, German, Italian, Spanish, Russian, Japanese, Chinese				
Interface	USB-cable, LAN				
External power supply	12 V DC; max. 3 A				
Weight	ca. 7000 g (15.5 lb)				
Dimensions	26 × 39 × 19 cm (10.2 × 15.35 × 7.5 in)				
Temperature Range Operation	+10–40 °C (+50–104 °F)				
Temperature Range Storage	0–60 °C (+32–140 °F)				
Rel. Humidity	Up to 85 % at 35 °C (95 °F), non-condensing				

Comes complete with (All products)	Additional (color2view X)	Additional (color2view Pro)	Additional (color2view X Pro)
color2view White calibration standard Color and gloss test standard Certificate Software with 2 licensees for download: smart-lab or smart-process Color USB cable for data transfer Power Supply Short Instructions 1-day training	Accessories for Adjustment: Medium aperture plate (12) Tool Kit for aperture change (#7606)	Accessories for Jetness: Grey calibration standard Black test standard LED flashlight to check cleanness	Accessories for Jetness: Grey calibration standard Black test standard LED flashlight to check cleanness Accessories for Adjustment: Medium aperture plate (12) Small aperture plate (4) Tool Kit for aperture change (#7606)