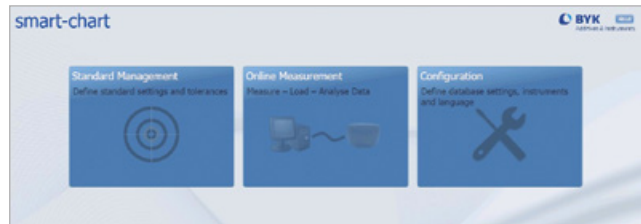


smart-lab Color

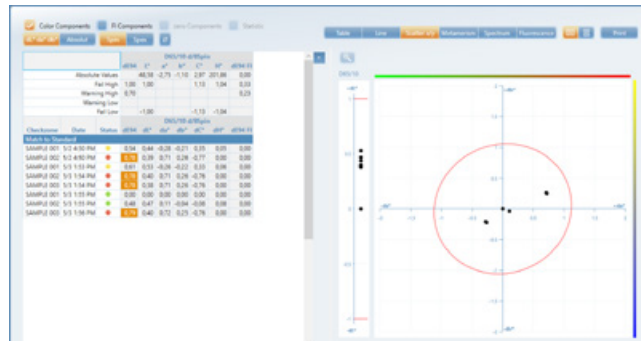
Online Control in the laboratory

Color control in the laboratory requires on one hand open and flexible data analysis and on the other hand efficient data handling of large data sets. Measure your products offline or online and transfer the results to smart-lab Color and you will get professional QC-reports, immediately.



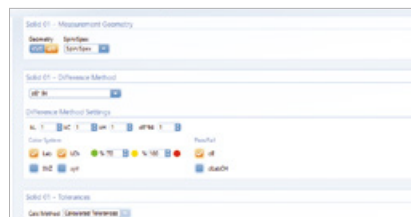
Online Measurement - and instant data analysis

Just connect the spectro2guide with the PC, measure the master panel, apply the respective tolerances and compare the actual samples against the standard. The data are displayed in a data table with Pass/Fail information and shown in various color graphs. Alternatively, you can recall a standard and samples from a database and quickly add new readings. Popular functions such as saving, deleting or copying can be executed with right mouse click.



Standard Management - extensive flexibility of tolerance methods

smart-lab Color includes powerful standard management which allows defining Pass / Fail tolerances based on any color control parameter.



Digital Standard - guarantees a seamless workflow

Thanks to the outstanding inter-instrument agreement of spectro2guide smart-lab enables you to use "digital standards" on a global basis with your entire supply chain. Export and import your color standards in xml file format and send them by email to your supply chain. Thus, color control data are reliable and communication among all parties is seamless and efficient.

The screenshot shows the 'spectro2guide sphere' interface with a table of digital standards. The table includes columns for 'Angle', 'L*', 'a*', 'b*', 'c*', 'b*', 'dF1', and 'Gloss'.

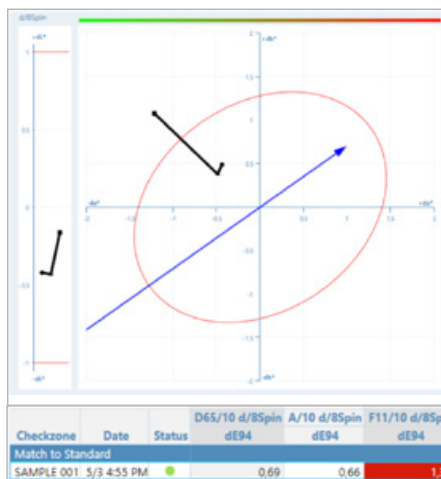
Angle	L*	a*	b*	c*	b*	dF1	Gloss
d/SPin D65/10	48.96	-2.05	-0.83	2.21	202.15	0.00	
d/SPex D65/10	45.76	-2.61	-1.36	2.94	207.55	0.00	
60°							1.18

Ultimate flexibility - Swap standard/sample and vice versa

Interested in how the previous batch compares to the current batch? Just drag & drop the data or even select a sample as the standard. Additionally, it is also possible to calculate the mean value based on a population of samples and use it as a new standard. This is of high interest when selecting a master standard out of a population of standard panels

Color Data analysis - variety of measurement reports

Data analysis was never easier. Results are simultaneously displayed in a data table and a graph highlighting the samples being out of specification. Easily toggle between measurement conditions like different illuminants or SPIN/SPEX. Multiple settings can even be combined in one project allowing the user to have multiple pass/fail criteria at one glance. Graphically display color results in the way that works best for your application: scatter plot, line graph, metamerism graph and spectral curves can be selected by just a mouse click.



Fluorescence evaluation – new reports for new requirements

For each monochrome LED the total spectral remission curve of the sample is shown consisting of the spectral remission at excitation range plus the shifted fluorescent light. The results of the 12 LEDs can be toggled through by means of a slider.



Database management - easy and secure

The data are saved in a SQL database, which allows handling of large data sets over a long time period. This reliable database type also ensures full network and server compatibility. Retrieve data for further analysis based on your specific filter criteria, such as a specific color or a certain time range. Additionally, current standards and samples can be organized in projects. Projects are saved as xml-files and can be easily shared with other smart-lab users. With smart-lab, you can start faster and finish sooner without getting lost in Details.

Ordering Information

Cat. No.	Description
7083	Software smart-lab Color, spectro2guide

Comes complete with:

Software with 2 licenses for download

System Requirements:

Operating system: Windows 7 SP1, 8.1 or 10
 Microsoft® .NET Framework 4.5.2
 Hardware: Core 2 Duo, 2.2 GHz; i7, 2.5 GHz recommended, or equivalent
 Memory: 4 GB RAM, 8 GB recommended
 Hard-disk capacity: 2 GB during installation
 Monitor resolution: 1280 x 1024 pixel or higher
 Interface: free USB-port

Technical Specifications

Software for professional analysis and documentation in the laboratory

Instruments	spectro2guide d/8, spectro2guide 45/0
Color Differences	ΔE^* , ΔE_{CMC} , ΔE_{94} , ΔE_{2000} , $\Delta E_{DIN6175-2}$, custom specific scales
Illuminants	A; C; D50; D55; D65; D75; F2; F6; F7; F8; F10; F11; UL30
Observer	2°, 10°
Indices	YIE313; YID1925; WIE313; CIE; Berger; Color Strength; Opacity; Metamerism; Grayscale; Jetness; ΔF ; ΔE_{zero}
Graphs	Scatter plot, trend graph, spectral curve, metamerism graph, fluorescence slider
Database format	SQL Server Compact
Export	Project files (.xml format)
Languages	Chinese, English, French, German, Italian, Japanese, Spanish