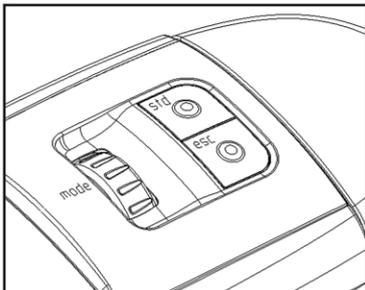


Operation



mode wheel:

- Switch on press
- Show menu press
- Select function scroll
- Activate function press

esc button:

- Change between menu and measurement mode

std button:

- Short-cut to measure standard

Operate button:

- Switch on, select and measure

How to Calibrate?

Black/white calibration

- Select Setup – Calibrate – Black/White Calibration
- Place unit on black trap and confirm OK
- Place unit on white standard and confirm OK

Black/white calibration is requested every 3 months.

Color test

After a black and white calibration the instrument must be checked on the color reference included in the delivery content.

- Place unit on color reference and confirm OK

The color test is requested every 30 days. Make sure to perform it in laboratory environment (Temperature 20 - 25°C, Humidity 30 - 60%).

How to measure Differences?



- Select a stored standard, use „AUTO standard“ or measure a standard
- Input standard name:
Change character ==> turn scroll wheel
Move to next digit ==> press scroll wheel
Move one digit back ==> press esc
- Input number of readings



- Place instrument on standard
- Press operate to take a reading
- Copy predefined settings for data display
- Continue with sample readings

Note: All color data inclusive spectral data are saved and transferred to software.

SAMPLE 001	D65/10° 2/2			
	ΔL*	Δa*	Δb*	ΔE*
-15°	0.05	0.13	0.01	0.14
15°	-0.45	0.08	0.00	0.45
25°	-1.00	0.02	-0.01	1.00
45°	-1.27	-0.00	0.22	1.29
75°	-0.20	0.16	0.45	0.52
110°	0.70	0.25	0.38	0.83

STANDARD 01 Difference x

- First page displays color differences

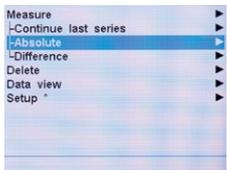
SAMPLE 001	D65/10° 2/2		
	ΔS	ΔS _i	ΔS _a
15°	4.93	-15.67	-9.89
45°	1.48	-4.78	-0.30
75°	1.75	-4.03	-4.07
		ΔG	0.52

STANDARD 02 Difference

- Scroll to second page for sparkle and graininess results*

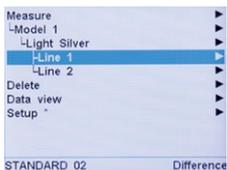
* Only available with BYK-mac i

How to measure Absolute Data?



- Select Measure - Absolute
- Place instrument on sample
- Press operate to take a reading
- Default settings: average of 3
- Input sample name:
Change character ==> turn scroll wheel
Move to next digit ==> press scroll wheel
Move one digit back ==> press esc

How to use an Organizer?



An organizer is a predefined sampling procedure that needs to be downloaded from the software smart-chart.

- Select style (Par1), color (Par2), paint line (Par3)
- Press operate to measure the first measurement zone
- After a measurement zone has been completed, press operate to move to the next zone
- To skip a measurement zone, press the mode wheel and select „Interrupt Statistic“. The number of readings is set to zero.

Note: „Interrupt“ must be activated in the organizer!

Hood	D65/10°	3/3
	ΔL_p	Δa_p
-15°	0.05	0.11
15°	0.05	-0.03
25°	-0.14	0.05
45°	-0.22	0.02
75°	-0.13	0.15
110°	0.12	0.18
	Δb_p	$\Delta E_p D$
	0.11	-0.03
	-0.06	0.12
	-0.11	0.19
	0.13	0.26
	0.32	0.38
	0.34	0.40
	ΔE_t	ΔE_t
		0.27

How to change Settings?

Instrument settings and measurement parameters for each individual standard can be changed in Setup.

Overview Setup

Measurement Parameters	
Statistic	Define number of readings or select SMC mode
Color	Select angles, color scale, illuminant/observer for display
Effect*	Select effect scales
Fluorescence Limit	Define acceptable max. difference between fluorescent compensated and non-compensated reading as percentage of used color tolerance.
Sample Temperature Alarm	Set minimum and maximum temperature to alert alarm
Instrument	
Sample Curvature	Select pin sensitivity according to sample curvature
Automatic Measurement	Execute readings by pins on/off
Beeper	Turn beeper on/off
Language	Select language
Info	Info on Version, Calibration Dates, Free Memory ...
Date/Time	Set date and time
Display Time	Define time instrument is on
Display Brightness	Adjust display brightness.
Advanced	Activate/deactivate Interrupt Statistic, Input Parameter 2, Input Comment, Input ID, Input Checkzone

* Only available with BYK-mac i