



COFFEE COLORIMETER BKH-801

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This is a coffee colorimeter. It has a 7-inch touch screen, which is easy to use. The instrument can quickly match the closest SCAA number and HCCI to the measured coffee beans, and display the relevant coffee roast level. It also has a color difference comparison function and color difference threshold can be set to achieve rapid QC testing. The instrument is equipped with mobile APP and PC software to facilitate color management of coffee beans. The instrument uses full-spectrum LED light source and advanced spectral sensor. It can pass the test of an authoritative metrology institute.



SCAA, HCCI and roast degree measurement

It can simultaneously measure the SCAA number, HCCI and roast degree of coffee beans, providing reference data for coffee roasting.

Color measurement and color difference comparison function

It can measure Lab value and colour difference comparison function of coffee beans, which can provide more professional data analysis for coffee bean raw material testing and roasting process.

50mm large aperture

Measuring aperture up to 50mm with two special plastic cuvettes, which is suitable for measuring coffee beans of various uneven shapes.

7-inch touch screen

Adopt a 7-inch touch screen with human-machine interaction interface for convenient

SPECIFICATIONS

Model	BKH-801
Illumination geometry	D/8, specular component include (SCI)
Illumination light source	Full spectrum LED light source
Spectral range	400-700nm
Spectral interval	10nm
Measuring aperture	50mm
Measurement conditions	Light source D65, field of view 10°
Measuring time	About 1.5s
Color space	CIE Lab
Color difference formula	ΔE^*ab
Repeatability	Standard deviation ΔE^*ab is within 0.03 (Measurement condition: the average value of 30 measurements on the whiteboard at an interval of 3s after calibration)
Inter-instrument agreement	$\Delta E^*ab \leq 0.4$, based on avg. of 12 BCRA series II tiles
Dimension	211mmx264mmx360mm(LWH)
Weight	About 3290g
Power supply	100~277V 0.4A 50/60HZ
Display	7-inch 1024*600 dot matrix IPS color screen
Language	Simplified Chinese, English
Data transmission	USB, Bluetooth
Operating temperature range	0~45°C, 0~85%RH (no condensation)
Storage temperature range	-25~55°C, 0~85%RH (no condensation)
Alt Name	Coffee Colorimeter

FEATURES

SCAA, HCCI and roast degree measurement

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7-inch touch screen

Adopt a 7-inch touch screen with human-machine interaction interface for convenient operation.

Good repeatability

High precision and excellent repeatability with standard deviation $\Delta E^*_{ab} \leq 0.03$. It can pass the test of an authoritative metrology institute.

SCAA and HCCI multi-point calibration

The instrument has the function of multi-point calibration of SCAA Agtron number and HCCI (HunterLab Coffee Color Index).

Provide QC function

It has QC function which can set the color difference threshold by yourselves, and it will automatically judge whether the color difference is qualified or not.

Provide powerful mobile APP and PC software

It is equipped with mobile APP and PC software to facilitate color management of coffee beans.



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com