BioLAB

PRODUCT CATALOG

COLORIMETER BJH1I1 (BMET-803)

CE ISO9001 CERTIFIED

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COLORIMETER BJH1I1

COLORIMETER

A portable computer colorimeter adopts the core multichannel color sensor of an international imported brand, more stable IC platform and efficient and accurate algorithm to provide users with accurate and fast color management and application.

Humanized design and simplicity of operation, automatic black and white calibration function when power on;
Stable measurement performance The average fluctuation of ΔE is less than 0.06;
Flexible and accurate framing and positioning function;
PCside software realizes more function expansion, which can perform color difference analysis, color difference accumulation analysis, chromaticity index, color sample library management,simulated object color, etc.
Stable Measurement Performance:
The average fluctuation of ΔE is less than 0.07, actually more in 0.03~0.06.
Portable structure design which is more conductive to keeping the instrument stable when using.
Convenient and Fast Locating:

SPECIFICATIONS

Model	BJH1I1
Old Model	BMET-803
Color space	CIE L*a*b*; CIE XYZ; CIE RGB; CIE L*u*v*; WI(Whiteness); YI (Yellowness); Color Fastness; Staining fastness
Color Difference Formula	ΔE*ab; ΔE(h); ΔE*uv; ΔE*94; ΔE*cmc(2:1); ΔE*cmc(1:1); ΔE*00
Optical Geometry	CIE Recommended way: 8°/d
Sensor	Silicon Photoelectric Diode Array
Correction function	Auto Calibration at Starting
Calibration	Automatic/Manual
Illuminant	D65 / D50 / A
Data Storage	Chinese/English interface; 100 standard samples; 20,000 trialproduced samples
Measurement mode	SCI (Specular reflection) & SCE (Nonspecular reflection)
Aperture	8mm/4mm
Locate Mode	Illumination Location / Camera Location
Observer	CIE 10° standard observer
Displayed Data	Chromaticity Values; Color Difference Values; Pass/Fail Result; Color Offset/Deviation Direction
Light wave range	L: 0-100
Repeatability	ΔE < 0.06 (Average of 30 times measurement of the white board)
Measurement Time	1.5 s
Battery Performance	Able to do 3000 times of measurements within 8 hours
Lamp Life	5 years; more than 1.6 million measurements
Display	TFT colour 2.8 inch (16:9); Resolving power 400x240
Interface	USB
Humidity range	0-85% (No Condensation)
Weight	About 400 g (includes 3200 mAh battery weight)
Size (LxWxH)	205 x 70 x 100 mm
Alt Name	Colorimeter




FEATURES

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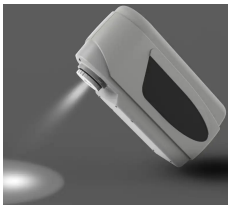

Convenient and Fast Locating:
Illumination locating is a fast, simple and convenient locating function which is the original function.

PC Software-Realize More Function Expansion:
It has the intellectual property of PC software. The corresponding software serial number and password protection is configured in colorimeter.
Be able to perform color difference analysis, color difference cumulative analysis, chromaticity index, color sample database management, simulating object color, etc.

Advanced Power Management Design:

It is the first enterprise using a high capacity Liion battery in a colorimeter.
Liion batteries can be repeatedly charged which will save cost. Meanwhile, it can measure more than 3000 times on one charge to ensure the stability of long time measurement.

APPLICATIONS

Fabric Dyeing

Plastic


Printing

Ink & paint

Ceramics

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