PRODUCT CATALOG

BENCHTOP SPECTROPHOTOMETER BBSP-805

ISO9001 CERTIFIED

www.biolabscientific.com

BENCHTOP SPECTROPHOTOMETER BBSP-805

Benchtop Spectrophotometer is used for measuring the color and appearance of fluorescent, opaque, transparent and translucent samples under various illuminants

BBSP-805 BENCHTOP SPECTROPHOTOMETER

Non-contact, 45 / 0 geometric optical structure to measure the reflectance and chromaticity of objects;

The movable measuring head moves up and down according to the actual height of the measured object;

Large touch screen measurement interface, real-time display of measurement data, to realize more measurement functions;

Multiple measurement modes (sample, quality control, continuous statistical mode) can be selected to meet the personalized needs.

SPECIFICATIONS

Model	BBSP-805
Illuminant	D65,A,C,D50,D55,D75,F1,F2(CWF),F3,F4,F5,F6,F7(DLF),F8,F9,F10(TPL5),F11(TL84),F12(TL83/U30)
Sensor	256 Image Element Double Array CMOS Image Sensor
Light Source Device	360nm-780nm Combined LED Lamp, UV Lamp
Spectroscopic Method	Concave-grating
Spectral Range	400-700nm/10nm Output
Sample Distance	>7.5mm
Height Adjustment	Manual adjustment, automatic adjustment (the test height can be stored)
Optical Geometry	45/0(45°Ring uniform illumination,0°accept)
Standards compliant	CI EN o.15, GB/T 39T8,GB 2893,GB/T 18833, ISOT724-1,ASTM E1164, DIN5033 TeilT,GB 2893. GB/T 18833
Height range	0~150mm
Photometric Range	0~200%
Integrating Sphere size	Φ20mm (Customized <20mm)
Measurement mode	Sample mode, quality control mode, continuous statistical mode
Locate Mode	Display camera locating
Color Space	CIE LAB,XYZ,Yxy, LCh,CIE LUV, Hunte rLAB
Color difference formulas	ΔE*ab,ΔE*uv,ΔE*94,ΔE*cmc(2:1),ΔE*cmc(1:1),ΔE*00,ΔE(Hunter)
Other Colorimetric Data	WI(ASTM E313,CIE/ISO,AATCC,Hunter),YI(ASTM D1925,ASTM 313),TI(ASTM E313,CIE/ISO), Metamerism Index MI, Staining Fastness, Color Fastness, Color Strength, Opacity
Observer	2° / 10°
Displayed Data	Spectrogram/Values, Chromaticity Va lues, Color Difference Values/G ra ph, Pass/Fail Result, Color Offset
Measurement time	About 1.5 s
Repeatability	Spectral reflectance:Standard deviation within 0.08% (400 to 700nm: within 0.18%) Chromaticity value:within ΔE*ab 0.05 After calibration, measure the average value of the whiteboard 30 times at 5s intervals
Inter-instrument Error	Within ΔE*ab 0.2(Average for 12 BCRA Series II color tiles)

Measurement method	measurement, average measurement (2-99 times) 330 (L)
Life Lamp	5 years, more than 3 million times measurements.
Screen	7" TFT Capacitive Screen-touch Display
Interface	USB & Bluetooth
Data Storage	Sample mode + quality control mode 30000; continuous statistics mode 10000
Language	English and Chinese
Operating Environment	Temperature: 0~40°C; Humidity: 0~85% (No Condensation)
Storage Environment	Temperature: -20~50°C; Humidity: 0~85% (No Condensation)
Standard Accessory	Power Adapter,USB Cable,User Gu ide,PC Software(Download from website),Standard calibration plate, Black Calibration Board
Optional Accessory	Micro Printer,Powder test box

Biolab Scientific Ltd.
3660 Midland Avenue, Suite 300, Toronto, Ontario M1V 0B8, Canada
Email: contact@biolabscientific.com | Website: www.biolabscientific.com