



## PORTABLE SPECTROCOLORIMETER BPSP-1104

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Portable Spectrocolorimeter is a portable instrument designed to measure transmittance of sample and color measurement.

## BPSP-1104 PORTABLE SPECTROCOLORIMETER



Adopt international common use d/8 SCI/SCE Synthesis technology  
Adopt full waveband balanced LED light source  
Silicon photodiode array sensor (32 groups with double rows)  
A variety of color space, a variety of observation light sources  
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Ergonomic design and easy measuring device  
Pass the Calibration Certificate  
ETC real-time calibration technology  
Camera locating can clearly observe the measured area  
Color management software

## SPECIFICATIONS

Model	BPSP-1104
Optical Geometry	D/8° diffused illumination, 8-direction reception
Integrating Sphere Size	Φ 40mm
Light source device	Combined LED lamp
Spectroscopic Method	Flat Grating
Sensor	Silicon photodiode array ( dual arrow 24 groups)
Light wave range	400-700nm
Wavelength Pitch	10 nm
Measured Reflectance Range	L:0~100; reflectivity:The reflectivity can be measured at 1 specific wavelength specified by the user (default: 550nm)
Measuring Aperture	Φ8mm
Specular Component	SCI
color space	CIE LAB,XYZ,Yxy,Lch
Color Difference Formula	$\Delta E^*ab, \Delta E^*00$
Observer angle	10°
Illuminant	D65,A,F2(CWF)
Displayed Data	Reflectance (the user specifies the reflectivity at 1 specific wavelength), Samples Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Simulation, Color deviation
Displayed Accuracy	0.1
Measuring Time	About 1.5s
Repeatability	Chromaticity value: MAV/SCI, within $\Delta E^*ab$ 0.1 ( When a white calibration plate is measured 30 times at 5 second intervals after white calibration)
inter-instrument error	MAV/SCI, Within $\Delta E^*ab$ 0.4(Average for 12 BCRA Series II color tiles)
Measurement mode	Single Measurement, Average Measurement(2-99times)
Locating Method	Stabilizer cross position
Operating Environment	0~40°C, 0~85%RH (no condensing), Altitude < 2000m
Storage Environment	-20~50°C, 0~85%RH (no condensing)
Battery	Li-ion battery, 6000 measurements within 8 hours

Illuminant Life Span	5 years, more than 3 million times measurements
Display	3.5-inch TFT color LCD, Capacitive Touch Screen
Data Port	USB charging software is not supported
Data Storage	Standard 500 Pcs, Sample 10000 Pcs
Language	Chinese, English, traditional Chinese
Standard Accessories	Power Adapter,data Cable, manual, SQCX quality, management Software(Download from office website), White and Black Calibration Cavity, Protective Cover, Wrist strap, 8mm platform caliber
Optional Accessory	USB Micro Printer, Powder Test Box
Dimension	81X71X214mm
Weight	About 460g



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