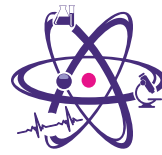


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BS-9020

Bench Top Spectrophotometer





Bench top spectrophotometer BS 9020 has the advantage of excellent inter-instrument agreement, high accuracy and good replicability. It could meet your requirement for both color quality control and color matching easily.

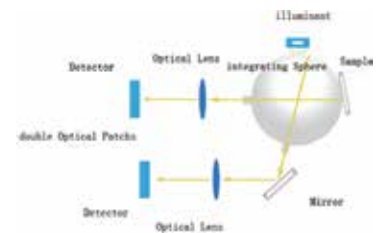
▶▶ Brief Introduction

Transmission D/0 Structure and Reflection D/8 Structure.



▶▶ Double Optical Paths Spectral Analysis Technology

It could get the measurement sample data and internal environment data at the same time to make sure the testing accuracy and stability for long time running.



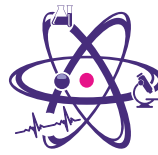
▶▶ Compatible with SCI/SCE Measurement

It is easy to adjust the testing calibers. The largest caliber diameter reaches 25.4mm. It could test the sample with different sizes. BS 9020 is not only suitable for testing the color of opacity sample, but also suitable for transparent or translucent sample's transmittance and turbidity.

▶▶ Large Screen Display

It could finish the sample measurement without connecting with PC. Large screen display to make sure customer could see the testing result directly and clearly. It will be more convenient to set the instrument status. The color match software are optional according to customer's need.





▶▶ Unique Calibration Board Design

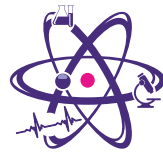
Fix the calibration board on the testing caliber to make sure the accuracy of the white calibration and guarantee the high accuracy for measurement.

▶▶ Flexible Test Fixture

It could fix the sample with different size and thickness on the testing port tightly in case of stray light entering to affect the testing accuracy.

▶▶ More Product Pictures

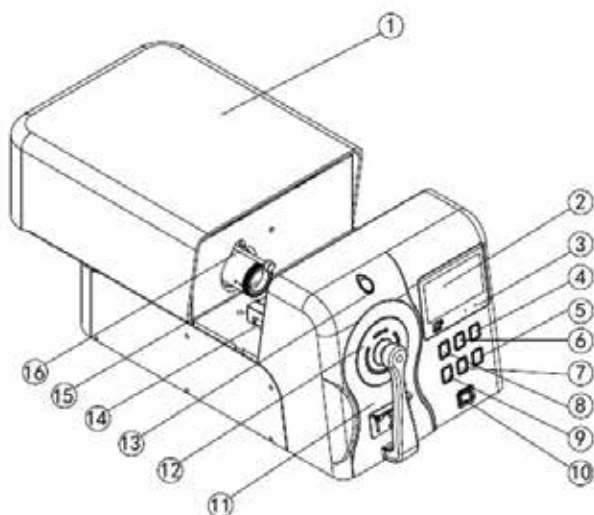
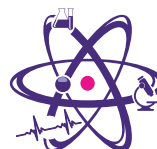




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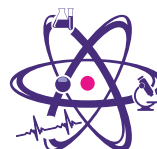




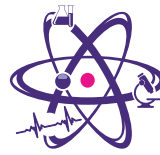
1. Top hatch
2. Display screen
3. Transmittance measurement indicator
4. Cancel button
5. Enter button
6. Up button
7. Down button
8. Menu button
9. Menu button
10. Save button
11. Fix mount

►► Technical Data

Type	Priority
Measurement Condition	Reflection: d/8 (Diffused illumination, 8 degrees viewing) Compatible with SCI/SCE Measurement ISO7724/1 Teil7, JIS Z8722 condition C,CIE No.15,ASTM E1164 Transmittance d/0(Diffused lighting, Vertical direction receiving).
Size Of Integrating Sphere	Φ15.2cm.
Illumination Light Source	CLEDs(entire wavelength balanced LED light source)
Sensor	dual optical path sensor array
Wavelength Range	400-700nm or custom made (360-740nm)
Wavelength Interval	10nm.
Size Of Integrating Sphere	Φ15.2cm
Illumination Light Source	CLEDs(entire wavelength balanced LED light source)
Sensor	dual optical path sensor array
Wavelength Range	400-700nm or custom made (360-740nm)
Wavelength Interval	10nm
Half Spectral Width	5nm
Reflectivity Range	0-200%
Reflectivity Resolution	0.01%
Observation Angle	2°/10°



Measurement light source	A,C,D50,D55,D65,D75,F1,F2,F3,F4,F5,F6,F7,F8,F9 ,F10,F11,F12 CWF,U30,DLF,NBF,TL83,TL84
Data being displayed	Reflectance and Transmittance graph/value, chromatic value, color difference values , color - assessment results, color tendency, color simulation manual input standard sample, generate measurement reports
Measurement time interval	2 seconds
Reflection Aperture	Large Aperture (LAV):2.54cm (=1inch) Medium Aperture (MAV):1.5cm(=0.6inch) Small Aperture (SAV):0.75cmx1.0cm(0.3inch x 0.4inch)
	Very Small Aperture (VSAV):0.3cmx0.8cm (0.12inch x 0.31inch)
Color space	CIE-L*a*b,L*C*h,CIE-L*u*v,XYZ,Yxy,Transmittance , Hunterlab, Munsell MI,CMYK, RGB,HSB
Color difference formulas	ΔE^*ab , ΔE^*CH , ΔE^*uv , $\Delta E^*cmc(2:1)$, $\Delta E^*cmc(1:1)$, ΔE^*94 , ΔE^*00 ΔEab (Hunter),555color classification.
Other colorimetric indices	WI(ASTM E313-10,ASTM E313-73,CIE/ISO, AATCC, Hunter, Taube Berger, Ganz, Stensby),YI(ASTM D1925 , ASTM E313-00,ASTM E313-73),Tint(ASTM E313-00, CIE,Ganz),Metamerism index Milm, Stick color fastness , Color fastness, APHA, Pt-Co, Gardner,haze
Repeatability	light splitting reflectivity: standard deviation within 0.08% Chromaticity value: Standard deviation within ΔE^*ab 0.015 * When a white calibration plate is measured 30 x at 5-second intervals after white calibration (max.0.03)
Interface	USB
Data storage	mass storage
Light source longevity	5 years, 1.5 million tests
Size	583*330*304mm(L*W*H)
Work temperature range	15 -32 (60°F-90°F)
Relative Humidity	0 to 45,relative humidity 80% or below (at 35°C), no condensation



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Standard accessories	power line, color management software, drive software, USB cable, black/white calibration tile, 40x10 cuvette, cuvette support, testing report
Packing Information	Size: 105x53x43cm, Weight:50kg

