Portable Spectrophotometer

DS-60/62/64

Product Features

- Integrated physical positioning hole for fast and accurate positioning of the test area
- Ultra-high repeatability accuracy dE*ab≤0.02
- It can be measured by pressing, and the operation is portable and efficient
- Available in 5 measuring calibers with a minimum support of 3mm
- More than 30 measurement parameters and nearly 40 evaluation light sources are available
- Support wechat mini program, Android, IOS, HarmonyOS, APP
- Use the powerful PC-side color management system ColorExpert

Technical Data

Model	DS60	DS62	DS64
Measurement structure*	D/8,SCI+SCE		
Simultaneous measurement of SCI+SCE	Support		
NetProf network calibration	/	/	Support
Integrated physical positioning hole	Support		
Measurement repeatability**	dE*ab≤0.02		
Display accuracy	0.01		
Lighting source	Full band balanced LED light source		
UV light source	/	Support	
Caliber	Φ11mm,Φ6mm	Φ11mm,Φ10mm,Φ6mm, Φ3mm	Φ11mm,Φ10mm,Φ6mm, Φ5mm,Φ3mm
Measurement index	Spectral reflectance,CIE-Lab,CIE-LCh,HunterLab,CIE-Luv,XYZ,Yxy,RGB color difference (ΔE*ab,ΔE*cmc,ΔE*94,ΔE*00), Whiteness (ASTME313-00, ASTME313-73, CIE, ISO2470 / R457, AATCC, Hunter, TaubeBerger Stensby) yellow degree (ASTM D1925, ASTM E313-00, ASTM E313-73) black degrees (My,dM), color fastness, Color change fastness,Tint(ASTM E313-00) Color density CMYK(A,T,E,M), isochromatic index Milm,Munsell, covering power, force (dye strength, coloring power)		
Light source condition	A,B,C,D50,D55,D65,D75F1,F2,F3,F4,F5,F6,F7,F8,F9,F10,F11,F12CWF,U30,U35,DLF,NBF,TL83,TL84,ID50, ID65,LED-B1,LED-B2,LED-B3,LED-B4LED-B5,LED-BH1,LED-RGB1,LED-V1,LED-V2		
Software support	Android,iOS,Windows, wechat mini program,HarmonyOS		
Accuracy guarantee	Assurance of metrology		
Field Angle	2°，10°		
Integrating sphere diameter	40mm		
Meet the standard	CIENo.15,GB/T3978,GB2893,GB/T18833,ISO7724-1,ASTME1164,DIN5033Teil7		
Spectroscopic method	High precision nanobeam splitting device		
Inductor	Silicon photodiode array double 16 groups		
Wavelength interval	10nm		
Wavelength range	400-700nm		
Reflectance measurement range	0-200%		
Reflectance resolution	0.01%		
Measuring time	About 1s		
Port	USB, Bluetooth		
Screen	Full color screen, 3.5 inches		
Battery capacity	8000 continuous measurements with a single charge, 7.2V/3000mAh		
Light source lifetime	Five million times		
Language	Simplified Chinese, English		
Store	Instruments: 10000 pieces; APP: Mass storage		
Volume	178mm*73mm*108mm		
Weight	About 680g		

* Diffuse illumination /8° direction reception, including specular reflected light/removal of specular reflected light
** After the whiteboard is calibrated, the whiteboard is measured 30 times at 5-second intervals with the standard deviation of the result measured by MAV caliber