

Portable Spectrodensitometer



DS-526/528/530

Product Features

- Provide printing special measurement indicators: color density, dot area, overprint rate, printing contrast, tone error and gray scale
- Integrated physical positioning hole for fast and accurate positioning of the test area
- Ultra-high repeatability accuracy $dE^*ab \leq 0.02$
- 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	DS 526	DS 528	DS 530
Measurement structure	45/0		
NetProf network calibration	/	/	Support
Integrated physical positioning hole	Support		
Measurement repeatability*	$dE^*ab \leq 0.02$		
Display accuracy	0.01		
Lighting source	Full band balanced LED light source		
UV light source	/	Support	
Caliber	$\Phi 11mm, \Phi 6mm$	$\Phi 11mm, \Phi 10mm, \Phi 6mm, \Phi 3mm$	$\Phi 11mm, \Phi 10mm, \Phi 6mm, \Phi 5mm, \Phi 3mm$
Measurement index	Spectral reflectance, CIE-Lab, CIE-LCh, HunterLab, CIE-Luv, XYZ, Yxy, RGB color difference ($\Delta E^*ab, \Delta E^*cmc, \Delta E^*94, \Delta E^*00$), 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)		
Density measurement	CMYK density, dot area, dot increase, overprint, print contrast, hue error and grayscale		
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	$2^{\circ}, 10^{\circ}$		
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		

* 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