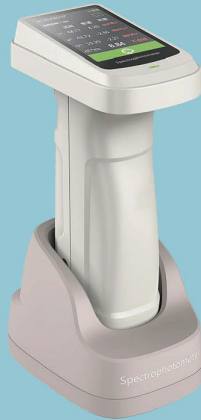


Portable Spectrophotometer



DS-700C Spectrophotometer (45/0)

Product Features

- 45° ring illumination , 0° viewing angle . The innovative annular lighting system eliminates directional dependence and impact is minimized. Great advantage for measurements on matte , textured and structured surface
- Excellent performance : Repeatability  $\Delta E^*ab \leq 0.03$   
 Inter-instrument Agreement  $\leq 0.3$
- Pass Metrology level I
- Intelligent automatic calibration, the reference is ZrO2 with reflectivity greater than 90% , no need for frequent whiteboard calibration
- 10nm resolution grating spectroscopy technology
- More than 30 kinds of color indices and 37 kinds of illuminants
- Support Android , IOS , Windows program

Technical Data

Model	DS-700C
Geometry	45/0 (45 ring-shaped illumination, 0 degree viewing)
Sensor	256 Pixel CMOS Sensor
Spectroscopic Method	Concave Grating Spectroscopy
Sphere Diameter	Φ40mm
Wavelength Range	400-700nm
Wavelength Interval	10nm
Reflectance Range	0-200%, Resolution: 0.01%
Lighting Source	LED (Full band balanced LED light source)
Measure Time	About 1s
Aperture	MAV:Φ8mm/Φ11mm; SAV:Φ4mm/Φ6mm
Repeatability*	$\Delta E^*ab \leq 0.03$ Spectral reflectance: the standard deviation is less than 0.08%
Inter-instrument Agreement**	$\Delta E^*ab \leq 0.3$
Language	English ,Chinese
Accuracy	0.01
Observer Angle	2° , 10°
Illuminants	A,B,C,D50,D55,D65,D75,F1,F2,F3,F4,F5,F6,F7,F8,F9,F10,F11,F12, CWF,U30,U35,DLF,NBF,TL83,TL84,ID50,ID65,LED-B1,LED-B2,LED-B3, LED-B4,LED-B5,LED-BH1,LED-RGB1,LED-V1,LED-V2
Color Indices	Reflectance,CIE-Lab,CIE-LCh,HunterLab,CIE-Luv,XYZ,Yxy,RGB,Color difference ( $\Delta E^*ab, \Delta E^*cmc, \Delta E^*94, \Delta E^*00$ ),WI (ASTM E313-00,ASTM E313-73,CIE/ISO,AATCC,Hunter, TaubeBergerStensby),YI (ASTM D1925,ASTM E313-00 ASTM E313-73), Blackness (My,dM),Color Fastness Tint,(ASTM E313-00),Color Density CMYK (A,T,E,M), Milm,Munsell Opacity,Color strength
Storage	App Massive Storage
Interface	USB, Bluetooth
Battery Capacity	Rechargeable , 8000 times continous tests 8.4V/3000mAh
Camera	No
Calibration	Automatic Calibration
Software Support	Andriod , iOS , Windows
Metrology Level	Level I
Lightsource Lifetime	One million times for 10 years