## Portable Spectrophotometer



# **DS-700D**

## **Product Features**

- Excellent repeatability and inter-instrument agreement. (repeatability : dE\*ab≤ 0.04 (max.) and inter-instrument agreement : ≤0.25)
- Dual optical path high precise CMOS array sensor.
- Intelligent auto calibration, white tile is made by ZrO2 with reflectance more than 90%, no need for frequent white calibration.
- 360-700nm Full Wavelength Balanced LED+UV.
- 10nm Resolution Grating Spectroscopy Technology.
- Three aperture as standard accessories, no tools are needed and apertures can be replaced at any time to meet different sample measurement requirements.
- More than 30 kinds of color indices and 37 kinds of illuminants.
- It supports Android, IOS and Windows program.
- It is with the camera to see the measurement area clearly.

#### **Technical Data**

Model	
Geometry	
Sensor	Dual optical path
Spectroscopic method	Grat
Sphere Size	
Wavelength Range	
Wavelength Interval	
Reflectance Range	0-200
Light Source	LED bal
Measurement Time	
Illumination Area/Aperture	(MAV:Ф8mm/Ф11mm;
Repeatability <sup>*</sup>	
Inter-instrument *** greement	
Language	Eng
Display Resolution	
Observer Angles	
Illuminants	A,B,C,D50,D55,D65,D75,F CWF,U30,U35,DLF,NBF,TL8 LED-B4,LED-B5,LEI
Color Spaces and Indices	Reflectance,CIE-Lab,CIE Color difference WI(ASTM E313-00,ASTM E313-73 YI(ASTM D1925,ASTM E313- Color Fastness, Tint,(ASTM Milm, Munse
Storage	AF
Interface	l
Battery	Rechargeable, 8000 tir
Camera to see the mea	asurement area
Calibration	Intellic
Software	And
Accuracy	Μ
Standards	Conform to CIE No.15, GB/T 3978, GB 289
Screen	IPS Full C
ight Source Lifetime	10 уе

% When a white tile is measured 30 times at 5-seconds interval with MAV %% BCRA Series II , average measurement of 12 tiles

## Portable Spectrophotometer

#### DS-700D

d/8,SCI+SCE

high precise CMOS array sensor

ating spectroscopy

Ф40mm

#### 10nm

0%, resolution 0.01%

D(Full wavelength alanced LED) + UV About 1.5s

3 Apertures

ı; SAV:Φ4mm/Φ6mm; MINI:1\*3mm)

∆E\*ab≤ 0.025

∆E\*ab≤0.25

glish and Chinese

0.01

2°, 10°

,F1,F2,F3,F4,F5,F6,F7,F8,F9,F10,F11,F12, 83,TL84,ID50,ID65,LED-B1,LED-B2,LED-B3, ED-BH1,LED-RGB1,LED-V1,LED-V2

E-LCh,HunterLab,CIE-Luv,XYZ,Yxy,RGB, ee(ΔE\*ab,ΔE\*cmc,ΔE\*94,ΔE\*00), '3,CIE/ISO,AATCC,Hunter,TaubeBergerStensby), 3-00,ASTM E313-73),Blackness(My,dM), M E313-00),Color Density CMYK(A,T,E,M), sell, Opacity, Color strength

**APP Mass Storage** 

USB, Bluetooth

imes continuous tests, 3.7V/3000mAh

Yes

igent auto calibration

driod,IOS,Windows

Metrology Level I

393, GB/T 18833, ISO7724-1, ASTM E1164, DIN5033 Teil7

Color Screen, 3.5 inches

ears, 1 million tests