Model	TS7036	TS7030	TS7020	TS7010
Optical Geometry	D/8(diffused illumination, 8-degree viewing angle) SCI/SCE Mode Comply to CIE No.15, GB/T 3978,GB 2893,GB/T 18833,ISO7724-1,ASTM E1164,DIN5033 Teil7		D/8(diffused illumination, 8-degree viewing angle) SCI Mode Comply to CIE No.15, GB/T 3978,GB 2893,GB/T 18833,ISO7724-1,ASTM E1164,DIN5033 Teil7	
Characteristic	double apertures, more adaptability; Used for accurate color measurement and quality control in plastic electronics, paint and ink, textile and garment printing and dyeing, printing, ceramics and other industries	single apertures, more adaptability; Used for accurate color measurement and quality control in plastic electronics, paint and ink, textile and garment printing and dyeing, printing, ceramics and other industries	Φ8mm apertures, Used for accurate color measurement and quality control in plastic electronics, paint and ink, textile and garment printing and dyeing, printing, ceramics and other industries	
Integrating Sphere Size	Φ40mm			
Light Source	Combined full spectrum LED light source, UV light source		Combined full spectrum LED light source	
Spectrophotometric Mode	Flat Grating			
Senso	Silicon photodiode array (double row 32 groups)		Silicon photodiode array (double row 24 groups)	
Wavelength Range	400～700nm			
Wavelength Interval	10nm		/	
Semiband Width	10nm			
Measured Reflectance Range	L:0~120; reflectivity:0~200%		L:0~100; reflectivity:The reflectivity can be measured at 3 specific wavelengths specified by the user (default: 440nm, 550nm, 600nm)	L:0~100; reflectivity:The reflectivity can be measured at 1 specific wavelengths specified by the user (default: 550nm)
Measuring Aperture	Dual Apertures：MAV:Φ8mm/Φ10mm; SAV:Φ4mm/Φ5mm	Single Apertures：Φ8mm/Φ10mm	Φ8mm	
Specular Component	SCI/SCE		SCI	
Color Space	CIE LAB,XYZ,Yxy,LCh,CIE LUV,s-RGB,βxy,DIN Lab9,DIN Lab99 Munsell(C/2)	CIE LAB,XYZ,Yxy,LCh,s-RGB,βxy,Munsell(C/2)	CIE LAB,XYZ,Yxy,LCh	
Color Difference Formula	ΔE*ab,ΔE*uv,ΔE*94,ΔE*cmc(2:1),ΔE*cmc(1:1),ΔE*00, DINΔE99	ΔE*ab,ΔE*94,ΔE*cmc(2:1),ΔE*cmc(1:1),ΔE*00, DINΔE99	ΔE*ab,ΔE*00	
Other Colorimetric Index	WI(ASTM E313,CIE/ISO,AATCC,Hunter), YI(ASTM D1925,ASTM 313), Metamerism Index MI, Staining Fastness, Color Fastness, Color Strength, Opacity,Color Card Search		/	
Observer Angle	2°/10°		10°	
Illuminant	D65,A,C,D50,D55,D75,F1,F2(CWF),F3,F4,F5,F6,F7(DLF),F8,F9,F10(TPL5),F11(TL84),F12(TL83/U30)	D65,A,C,D50,F2(CWF),F7(DLF),F10(TPL5),F11(TL84),F12(TL83/U30)	D65,A,F2(CWF)	
Displayed Data	Spectrogram/Values, Samples Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Simulation, Color Offset		Reflectivity (the user specifies the reflectivity at 3 specific wavelengths), Samples Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Simulation, Color Offset	Reflectivity (the user specifies the reflectivity at 1 specific wavelengths), Samples Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Simulation, Color Offset
Displayed Accuracy	0.01		Display 0.1, storage 0.01	
Measuring Time	About 1.5s (Measure SCI & SCE about 3.2s)		About 1.5s	
Repeatability	Chromaticity value: MAV/SCI, within ΔE*ab 0.05 (When a white calibration plate is measured 30 times at 5 second intervals after white calibration)	Chromaticity value: MAV/SCI, within ΔE*ab 0.06 (When a white calibration plate is measured 30 times at 5 second intervals after white calibration)	Chromaticity value: MAV/SCI, within ΔE*ab 0.08 (When a white calibration plate is measured 30 times at 5 second intervals after white calibration)	Chromaticity value: MAV/SCI, within ΔE*ab 0.1 (When a white calibration plate is measured 30 times at 5 second intervals after white calibration)
Inter-instrument Error	MAV/SCI, Within ΔE*ab 0.3		MAV/SCI, Within ΔE*ab 0.4	
Measurement Mode	Single Measurement, Average Measurement(2-99times)			
Locating Method	Camera Locating,stabilizer cross position		Stabilizer cross position	

Dimension	L*W*H=81X71X214mm		
Weight	About 460g		
Battery	Li-ion battery, 6000 measurements within 8 hours		
Illuminant Life Span	5 years, more than 3 million times measurements		
Display	3.5-inch TFT color LCD, Capacitive Touch Screen		
Data Port	USB,Bluetooth 5.0	USB	
Data Storage	Standard 1000 Pcs, Sample 30000 Pcs(One data is able to include SCI/SCE)	Standard 1000 Pcs, Sample 20000 Pcs(One data is able to include SCI/SCE)	Standard 500 Pcs, Sample 10000 Pcs
Language	Simplified Chinese, English, Traditional Chinese		
Operating Environment	0~40℃, 0~85%RH (no condensing), Altitude < 2000m		
Storage Environment	-20~50℃, 0~85%RH (no condensing)		
Standard Accessory	Power Adapter, USB Cable, User Guide, PC Software(Download from office website), White and Black Calibration Cavity, Protective Cover, Wrist strap, 8mm flat aperture, 8mm tip aperture, 4mm flat aperture, 4mm tip aperture	Power Adapter, USB Cable, User Guide, PC Software(Download from office website), White and Black Calibration Cavity, Protective Cover, Wrist strap, 8mm flat aperture, 8mm tip aperture	Power Adapter, USB Cable, User Guide, PC Software(Download from office website), White and Black Calibration Cavity, Protective Cover, Wrist strap, 8mm flat aperture
Optional Accessory	USB Micro Printer, Powder Test Box,Bluetooth Micro Printer	USB Micro Printer, Powder Test Box,	
Notes	Technical parameters are only for reference, subject to the actual sale of the product		