

HANDHELD SPECTROPHOTOMETERS (STANDARD TYPE)

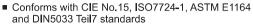
FOUR KINDS OF APERTURE

SPECTROPHOTOMETRIC









- Grating spectrophotometric, 3.5" IPS full color screen, dual optical path high precise CMOS array sensor
- Use long life and low power consumption combined LED light source, include UV and exclude UV measurement
- Camera locating function, switchable four apertures

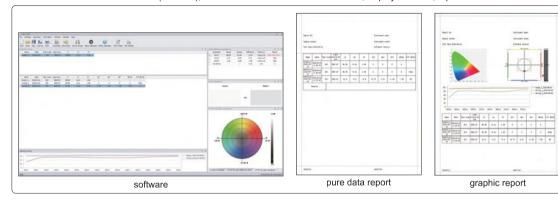
 Large capacity storage space, over 20000 measurement data
- Two standard observer angles, a variety of illuminant, a variety of color indexes, conforms with a variety of standard colorimetric data
- Measure sample spectra, accurate Lab data, can be used in color matching and accurate color transmission



SPECIFICATION

Code		5701-D40	5701 - D45	
		D/8 (diffused illumination/8° direction reception),		
Optical geometry		SCI+SCE (specular component included+specular	45/0 (45° illumination/vertical reception)	
		component excluded)		
Integrating sphere size		Ø40mm	ring lighting strips	
Light source		LED (fu ll band balanced LED)+UV	LED (fu ll band balanced LED)	
Spectrophotometric mode		grating		
Sensor		dual optical path high precise CMOS array sensor		
Wavelength range		400~700nm		
Wavelength interval		10nm		
Reflectance measurement range		0~200%		
Reflectance resolution		0.01%		
Display resolution		0.01		
IIIumination area/aperture		MAV: Ø11mm; SAV: Ø6mm, Ø3mm; MINI: 1×3mm		
Color space		CIE-Lab, CIE-LCh, HunterLab, CIE Luv, XYZ, Yxy, RGB		
Color difference formula		Δ E*ab, Δ E*cmc, Δ E*94, Δ E*00, Δ E*ch, Δ E*uv, Δ Eab		
Other colorimetric index		whiteness (ASTM E313-00, ASTM E313-73, CIE/ISO, AATCC,hunter, taube berger		
		stensby), yellowness (ASTM D1925, ASTM 313-00, ASTM E313-73), blackness (My, dM),		
		color fastness, tint (ASTM E313-73) color density CMYK (A, T, E, M), milm, munsell,		
		opacity, color strength		
Observer angle		2°/10°		
Ill umination		A, B, C, D50, D55, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CWF, U30,		
		U35, DLF, NBF, TI83, TI84, ID50, ID 65, LED-B1, LED-B2, LED-B3, LED-B4, LED-B5,		
		LED-BH1, LED-RGB1, LED-V1, LED-V2		
Measuring time		about 1.5s		
Repeatability	spectral reflectance	within 0.08% of standard deviation		
	colorimetric values	ΔE*ab≤0.025 (after whiteboard correction, measuring the whiteboard 30 times at 5s interval)		
Inter-instrument error		ΔE*ab≤0.25 (BCRA series II, average value of 12 color plates)		
Data port		USB, bluetooth		
Light source lifetime		10 years, more than 1 million times measurements		
Battery		3.7V/3000mAh, rechargeable 8000 times continuous tests		
Dimension (L×W×H)		95×129×231mm		
Weight		750g		

software (included), test can be controlled from the software, display test data, report



STANDARD DELIVERY

017 (112) (112 22212111)			
Main unit	1 pc		
White calibration cavity	1 pc		
Measuring aperture	8 pcs		
USB cable	1 pc		
USB disk	1 pc		
AC/DC adapter	1 pc		
Black light trap	1 pc		



white calibration cavity (included)

connect to computer

