MULTI-ANGLE SPECTROPHOTOMETER CODE 5705-MS45





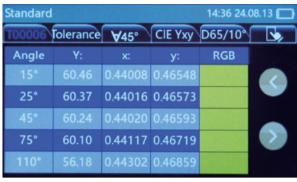


- Adopt 5 illumination sources, 1 receiver to measure 5 measurement angles at the same time
- Touch screen can display all angle measurement results, more intuitive view of the comprehensive data
- Full spectrum illumination measurement is more professional to avoid spectrum loss
- Provide 6 color spaces, multiple observation light sources
- Using concave grating spectrophotometric technology, with higher resolution, makes color measurement more accurate
- Built-in color camera positioning, can accurately judge the object measured position, and improve the measurement efficiency and accuracy
- Multiple functions, the screen can display various data intuitively



SPECIFICATION

Measurement geometry	5 measurement angles (5 illumination sources, 1 receiver)		
Measuring angle	45° receiver: 45as15°, 45as25°, 45as45°, 45as75°, 45as110°		
Lighting source	full spectrum LED light source with blue enhancement		
Lamp life	5 years, 3 million times measurements		
Spectrophotometric mode	v v		
Sensor	256 image element double array CMOS image sensor		
Wavelength range	400nm~700nm		
Wavelength interval	10nm		
Measurement range	0~600%		
Semiband width	10nm		
Measuring aperture	illuminant Ø23mm/sampling Ø12mm		
Color space	CIE LAB, XYZ, Yxy, Lch, βxy, DIN Lab99		
Color difference formula	ΔΕ*ab, ΔΕ*94, ΔΕ*cmc (2: 1), ΔΕ*cmc (1: 1), ΔΕ*00, DΙΝΔΕ99, ΔΕ DΙΝ6175		
Other colorimetric index	flop index		
Observer angle	2°/10°		
III uminantion	D65, A, C, D50, D55, D75, F1, F2 (CWF), F3, F4, F5, F6, F7 (DLF), F8, F9, F10 (TPL5), F11 (TL84), F12 (TL83/U30)		
Measuring time	approx, 1 second for one angle, approx, 5 seconds for all angles		
Repeatability	spectral reflectance: standard deviation within 0.08% chromaticity value: ΔE*ab 0.03		
· · · · ·	(when a white calibration plate is measured 30 times at 5 second intervals after white calibration)		
Reproducibility	Δ E*<0.10, avg on the gray tile of BCRA tile set, Δ E*<0.25, avg on the color BCRA tile set		
Spectrophotometric mode	,		
Trigger mode	pressure sensing, trigger, key trigger, software trigger		
Measuring mode	single measurement, average measurement (1~99), continuous measurement (1~99)		
Locating method	color camera preview		
Power	Li-ion battery, 3.7V, 3200mAh, continuous test 6000 times within 8 hours of full charge		
Display screen	3.5-inch TFT color LCD, capacitive touch screen		
Interface	USB, bluetooth 5.0		
Date storage	standard 1000 pcs, sample 4000 pcs		
Calibration	built-in white board parameters, external white board, black light trap		
Calibration interval	4 hours, 8 hours, 24 hours, startup calibration		
Dimension	195X83X128mm		
Weight	1kg		



specimen recording interface



specimen reflectance recording interface



black light trap (included)



white board (included)



bluetooth receiver (included)

STANDARD DELIVERY

Main unit	1pc
Black light trap	1pc
White board	1pc
Software and USB cable	1pc
Power adapter	1pc
Bluetooth receiver	1pc



wired printer (optional)

OPTIONAL ACCESSORY

Wired printer	5705-MS45-PRINTER-A
Wireless printer	5705-MS45-PRINTER-B



wireless printer (optional)