SPECTROPHOTOMETER
CODE 5706-DS01

VIDEO



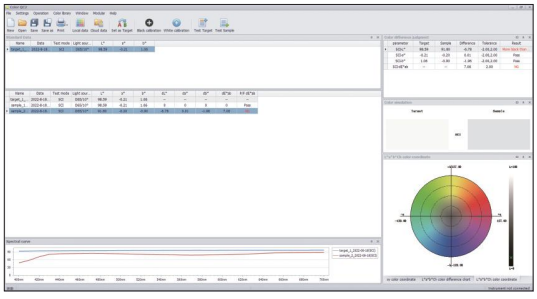
- Highly stable UV source for stable fluorescence measurements
- Grating spectroscopy, 7" IPS touch screen
- Two types of light sources: pulsed lamp and LED, can measure SCI and SCE simultaneously and quickly
- 24 standard light sources, more than 40 measurement indicators
- Temperature and humidity compensation function

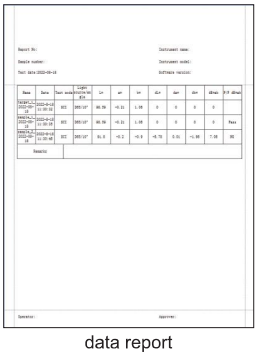
SPECIFICATION

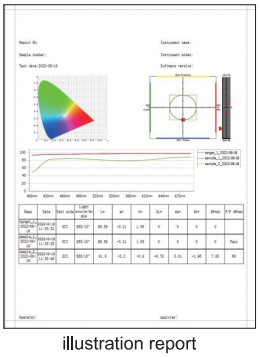
Optical geometry	reflect: D/8 (diffused illumination, 8°direction reception), transmission: D/0 (diffused illumination, vertical reception), SCI (specular reflective light included), SCE (specular reflective light not included)
Integrating sphere diameter	Ø152mm
Light source	pulsed xenon lamp and LED
Spectrophotometric mode	concave grating
Sensor	double array CMOS image sensor
Wavelength range	360nm~780nm
Wavelength interval	10nm
Reflectance measuring range	0~200%
Reflectance resolution	0.01%
Transmission measurement	width and height unlimited, thickness≤50mm
Measuring aperture	reflect: XLAV Ø25.4mm/Ø30mm, LAV Ø15mm/Ø18mm, MAV Ø8mm/Ø11mm, SAV Ø3mm/Ø6mm transmission: Ø17mm/Ø25mm
Color space	L*a*b, L*C*h, Hunter Lab, Yxy, XYZ
Color difference formula	ΔE*ab, ΔE*CH, ΔE*uv, ΔE*cmc, ΔE*94, ΔE*00, ΔEab (Hunter), 555 color classification
Colorimetric index	WI (ASTM E313-00, ASTM E313-73, CIE/ISO, AATCC, Hunter, Taube, Berger Stensby), YI (ASTM D1925, ASTM E313-00, ASTM E313-73), Tint (ASTM E313-00), metamerism index Milm, staining fastness, color fastness, ISO luminance, R457, A density, Tdensity, Edensity, M density, APHA/Hazen/Pt-Co, Gardner, Saybolt, Astm color, haze, total transmittance, coverage, power, strength
Observer angle	2°/10°
Illuminant	A, C, D50, D55, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CWF, U30, DLF, NBF, TL83, TL84
Measuring time	SCI or SCE <2 seconds, SCI and SCE simultaneous measuring <4 seconds
Repeatability*	ΔE*ab≤0.015; reflect / transmittance≤0.1%
Inter-instrument error	XLAV ΔE*ab≤0.25 (based on average of 12 swatches of BCRA series at 23°C)
Data port	RS232, USB, USB-B
Power supply	power adapter (24V/2.5A)
Dimension	465×240×260mm
Weight	10.8kg

*After calibration, measure the white plate for 30 times at 5-second intervals with XLAV aperture, the standard deviation of the measurement results.

software (included), can control the test by software, display test data and generate reports


software interface


data report

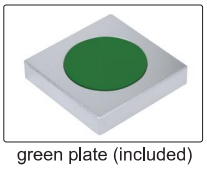

illustration report

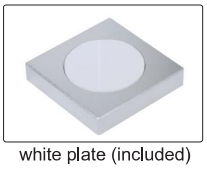
connect to computer



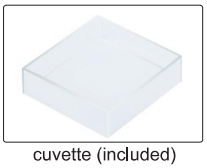
upward measurement



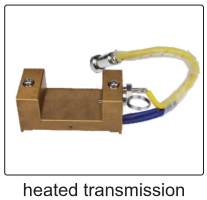

green plate (included)


white plate (included)

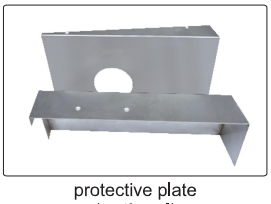

black cavity (included)


cuvette (included)


measuring aperture (included)


heated transmission clamp (**optional**)

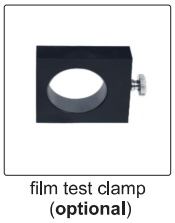

small sample fixture (**optional**)

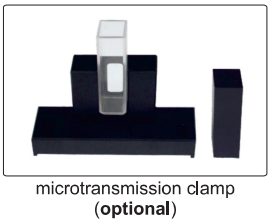

protective plate (**optional**)


vertical stand (**optional**)


cuvette support (**optional**)


fiber test holder (**optional**)


film test clamp (**optional**)


microtransmission clamp (**optional**)

STANDARD DELIVERY

Main unit	1 pc
Black cavity	1 pc
White plate	1 pc
Green plate	1 pc
Measuring aperture	4 pcs
Cuvette	1 pc
USB flash disk	1 pc
Data cable	2 pcs
Damping handle	1 pc
Support platform	1 pc
Transmission fixture	1 pc
Power adapter	1 pc

OPTIONAL ACCESSORY

Heated transmission clamp	5706-DS01-CLAMP1
Small sample fixture	5706-DS01-FIXTURE
Cuvette support	5706-DS01-SUPPORT
Vertical stand	5706-DS01-STAND
Protective plate	5706-DS01-PLATE
Fiber test holder	5706-DS01-HOLDER
Microtransmission clamp	5706-DS01-CLAMP2
Film test clamp	5706-DS01-CLAMP3