

## ONLINE SPECTROPHOTOMETERS

DATA  
OUTPUT

INSPECTION  
CERTIFICATE

- Suitable for coatings, textiles, paper industry, food, etc.
- Conforms with CIE No.15, ISO7724/1, ASTM E1164, DIN5033 Teil 7
- Multiple communication modes supported
- Built-in calibration ensures instrument stability
- LED light source with longer service life
- Non-contact measurement, 45/0 optical geometry
- Protection level: IP67
- Standard equipped with data management software



5715-BD06



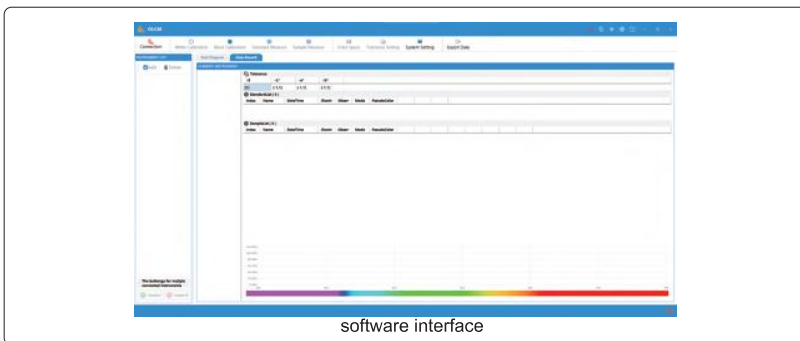
calibration bracket (included)



white calibration plate (included)



black calibration box (included)



software interface

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



multi-unit communication cable (included)

## SPECIFICATION

Code	5715-BD05	5715-BD06
Repeatability *	chromaticity value: $\Delta E^*ab \leq 0.05$	chromaticity value: $\Delta E^*ab \leq 0.015$
Inter-instrument error **	—	$\Delta E^*ab \leq 0.2$
Illumination	A,C,D50,D65,D75	A, B, C, D50, D55, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CWF, U30, U35, DLF, NBF, TL83, TL84, ID50, ID65, LED-B1, LED-B2, LED-B3, LED-B4, LED-B5, LED-BH1, LED-RGB1, LED-V1, LED-V2
Color space	CIE LAB, XYZ, LCh, CIE LUV	CIE LAB, XYZ, Yxy, LCh, CIE LUV, musell, s-RGB, hunterLab, $\beta_{xy}$ , DIN Lab99
Color difference formula	$\Delta E^*ab$	$\Delta E^*ab$ , $\Delta E^*94$ , $\Delta E^*cmc$ (2:1), $\Delta E^*cmc$ (1:1), $\Delta E^*00$ , $\Delta E$ (hunter), $DIN\Delta E99$
Other colorimetric index	—	spectral reflectance, WI (ASTM E313, CIE/ISO, AATCC, hunter, ISO 2470/R457, taube, berger, stensby), tint (CIE/ISO), YI (ASTM D1925, ASTM 313), metamerism index MI, color fastness, color fastness, strength, coverage, blackness (My, dM), color density CMYK
Wavelength range	400nm~700nm	
Wavelength interval	10nm	
Measuring aperture	Φ8mm	
Illumination method	45/0	
Light source	full spectrum LED light source	
Sensor	silicon photodiode array (20 groups in two rows)	
Display accuracy	0.01	
Displayed data	data, sample chromaticity value, color difference value/graph, color simulation, qualified/unqualified results, display tolerance can be set	
Reflectivity resolution	0.01%	
Reflectance range	0~200%	
Non-contact distance	7.5mm (±0.15mm)	
Measuring time interval	1s	
Measuring time	0.2s	
Measurement method	single measurement, average measurement (2~99 times)	
Trigger method	instrument trigger, online control trigger	
Observer angle	2°/10°	
Illuminant life span	more than 3 million measurements in 5 years	
Data port	USB, RS485, RS232, ethernet, analog signal output	
Working environment	0~40°C, ≤85%RH, no condensation	
Storage environment	-20~50°C, ≤85%RH, no condensation	
Power supply	DC 24V/3A	
Dimension (L×W×H)	100×100×140mm	
Net weight	1.4kg	

\* after whiteboard correction, measuring the whiteboard 30 times at 5s interval

\*\* BCRA series II, average value of 12 color plates

## STANDARD DELIVERY

Main unit	1 pc
Calibration bracket	1 pc
White calibration plate	1 pc
Black calibration box	1 pc
Multi-unit communication cable	1 pc
RJ45 ethernet cable	1 pc
USB cable	1 pc
Power adapter	1 pc
Software	1 set