

## COLORIMETER (BASIC TYPE)

### PART NO. 5700-LS35

MATCHING COLOR CARD QUICKLY

DATA OUTPUT

- 3.5-inch IPS display and capacity touch panel
- Able to store 1000 color compare records, 1000 color scan records, 100 standard records, 100 spectral curve records
- With multiple built-in standard electronic color charts, the color measurement function enables quick matching of the 3 closest color codes
- QC testing function, can set color difference threshold
- 3.7V/4000mAh battery, 10000 continuous measurements
- Testing can be controlled from the software, with test data displayed, passes counted, and reports exported



locating plate (included)



white calibration cavity (included)



software interface (included)

The software interface for ColorCard V1.4. It shows a list of color card libraries on the left, a color measurement section in the center with a preview window, and a color chart library table on the right.
 

Color Card Name	L	a	b
YS 2005	73.64	66.37	72.88
YS 2007	60.24	51.82	78.90
YS 3024	63.71	83.46	64.08
YS 3026	61.66	77.35	58.40
YS 6038	58.13	48.31	45.70
INSIZE	50.32	-25.54	23.68

The software interface for ColorimeterView V1.1. It shows a device information section, a comparison measurement table, and a data table with measurement details.
 

NO	Test Name	DateTime	Standard	L*	a*	b*	Sample	L*	a*	b*	Pass or not
1	Comp1	2023/09/17 16:06	97.12	6.37	6.22	97.12	97.12	6.37	6.22	0.00	Pass
2	Comp2	2023/09/17 16:06	96.14	-4.39	95.04	96.14	1.14	0.67	-0.29	0.00	Pass
3	Comp3	2023/09/17 16:07	96.14	-4.39	95.04	96.14	1.14	0.67	-0.29	0.04	Pass
4	Comp4	2023/09/17 16:07	96.14	-4.39	95.04	96.14	1.14	0.67	-0.29	0.04	Pass

includes 6 electronic color charts, color chart libraries importable via colordcard software

download instrument data, test can be controlled from the software, report, Excel

## SPECIFICATION

<b>Illumination geometry</b>	D/8, specular component include (SCI)
<b>Illumination light source</b>	full spectrum LED light source
<b>Measurement conditions</b>	light source D65, observer angle 10°
<b>Wavelength range</b>	400~700nm
<b>Wavelength interval</b>	10nm
<b>Illumination aperture</b>	8mm
<b>Measuring time</b>	1s
<b>Color space</b>	CIE-Lab, CIE-LCh, CIE Luv, Yxy, CMYK, RGB, YI-98, WI-98, WI-Ganz, WI-Hunter, WI-R457, HSL, HSV, ITA, Spectra
<b>Color difference formula</b>	$\Delta E^*ab$ , $\Delta E^*uv$ , $\Delta E^*94$ , $\Delta E^*cmc(2:1)$ , $\Delta E^*cmc(1:1)$ , $\Delta E^*cmc(1.4:1)$ , $\Delta E^*00$
<b>Repeatability</b>	standard deviation $\Delta E^*ab \leq 0.03$ (measurement condition: the average value of 30 measurements on the whiteboard at an interval of 3s after calibration)
<b>Electronic color chart</b>	can create up to 46 charts, total 20000 color codes
<b>Operating environment</b>	0~45°C, 0~85%RH (no condensation)
<b>Storage environment</b>	-25~55°C, 0~85%RH (no condensation)
<b>Interface</b>	USB (Type-C)
<b>Dimension (L×W×H)</b>	3.39×2.48×6.22"
<b>Weight</b>	.54lb

## STANDARD DELIVERY

<b>Main unit</b>	1 pc
<b>White calibration cavity</b>	1 pc
<b>USB cable</b>	1 pc
<b>Power adapter</b>	1 pc
<b>Software</b>	1 set
<b>Cleaning cloth</b>	1 pc
<b>Locating plate</b>	1 pc