



PSC-30 Spectrocolorimeter

The PSC-30 Spectrocolorimeter is a portable multifunctional color measurement device, the design according to CIE and GB standards. It adopts $d/8$ measurement geometry to realize the simultaneous measurement of SCI and SCE. Equipped with intelligent operating system, large color touch screen and built-in lithium battery, it can realize one touch operation and one-step reading and analysis. It's suitable for on-site measurement and quality control as various materials because of the advantages with its easy operation, stable performance and high accuracy. such as license plates, car doors, tires, automotive steering wheels, automotive interiors, and metal supplies

The main characteristics

1. SCI and SCE test models are available;
2. Patented technology to monitor and compensate the fluctuation of light source to achieve higher accuracy;
3. Large touch screen for easy check;
4. High precise positioning with assistant of built in camera;
5. Large storage for data.;
6. | Large storage for battery;
7. USB and WIFI communication.

Model	PSC - 30
Measuring geometric	D / 8
Light source	Full Spectral LED
Spectral range	400-700 nm
Standard observation angle	2 ° and 10 °
Measuring range	0-175%
Color space	CIELabCh, CIELab, CIELCh, HunterLab, XYZ, CIELuv, CIE1960UCS, CIE1976UCS, yellowness index, light hue index, brightness factor, whiteness index
Color difference	CIELab, CIELch, CIELuv, CMC, CIE1994, CIE2000, HunterLab, Metamerism
Repeatability	$< 0.03 \Delta E^* ab$ ¹⁾
inter-instrument agreement	AVG $0.2 \Delta E^* ab$ ²⁾
Measurement aperture	Φ 11 mm
Communication interface	USB, WIFI
Accessories	Adapter connector, USB cable, software, calibration black cylinder, calibration white plate and carry bag
<p>1)The instrument is calibrated with a white board after preheating, and the white board is measured 30 times at 10s intervals</p> <p>2)The average chromatic aberration of 12 color plates measured under remote laboratory conditions.</p>	



Automotive interior



Automotive exterior paint



Automotive reflection board



Traffic signs