

Portable spectrophotometer

Easy to operate, good repeatability

Multiple color indicators and parameters can be measured

Professional spectral reflectance curves available



The LS176 portable spectrophotometer adopts the D/8 international common illumination method, bringing good repeatability and accurate measurement. It is widely used for color management and quality control in leather fabric, textile, metal, hardware, paint spraying, printing ink, furniture, plastic, paint and coating, etc.

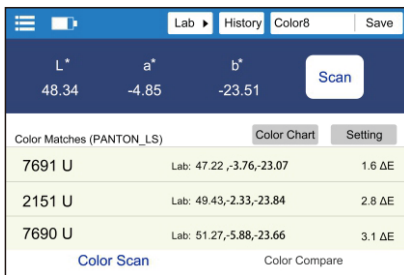
◆ Application



◆ Core Advantages

1. New horizontal test design to avoid instrument shaking, resulting in the deviation of test results
2. Full spectrum LED light source with balanced spectral distribution in the visible light range, contributing to high color rendering and accurate color measurement
3. Advanced spectral sensor with curve fitting algorithm, providing accurate and rapid color analysis
4. Offer professional spectral reflectance curve, new yellowness, whiteness, and other color parameters can be measured
5. Good repeatability, in line with national standards for Grade 1 colorimeter
6. Support mobile APP and PC software, to achieve color sharing, data import and export
7. Four electronic color chart stored in the instrument, measurement more convenient

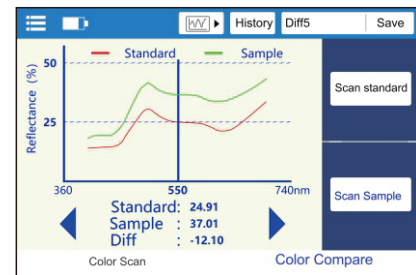
◆ Measurement Details



Color Scan Interface



Color Compare Interface



Spectral Reflectance Curves



Large Touch Screen



Test Pore Size



Measure With Locating Plate

Model	LS176
Measuring Aperture	8mm
APP/PC Software	Support
Illumination Geometry	D/8°, specular component include (SCI)
Spectral Range	400-700nm(Wavelength interval:10nm)
Illumination Light Source	Full spectrum LED light source
Measurement Conditions	Light source D65, field of view 10°
Color Parameters	CIE Lab, Luv, LCh, Yxy, CMYK, RGB, Hex, WI-98, WI-Gauz, WI-Hunter, YI-98, Reflectance
Color difference Formula	ΔE*ab、 ΔE*uv、 ΔE*94、 ΔE*cmc(2:1)、 ΔE*cmc(1:1)、 ΔE*00
Inter-Instrument Agreement	ΔE*ab≤0.4, based on avg. of 12 BCRA series II tiles
Repeatability	Standard deviation ΔE*ab is within 0.03 (Measurement conditions: after calibration, the average value of 30 measurements on the whiteboard at an interval of 3s)