LS173B D/8 Colorimeter with Touch Screen

LS173B — a portable multifunctional colorimeter adopts D/8° optical geometry design. The digital colorimeter is equipped with a 3.5 -inch IPS color capacitive touch screen, providing an excellent operating experience.

The instrument integrates multiple natural color charts and can quickly match the measured color to the closest color code. The colorimeter also has a color comparison function and supports a variety of standard color addition methods. The color difference threshold can be set, and the color difference formula can be flexibly selected, which can realize rapid QC testing.

Application

LS173B adopts D/8° specular component include (SCI). Usually used in automotive paint, metal processing, stone, decorative materials, plastics industries for color measurement and management, color difference quality control. The color difference meter is ill uminated by an integrating sphere diffused light source, which is very suitable for color measurement of high-gloss materials.

Parameters

Parameters	Specification
Illumination geometry	D/8, specular component includes (SCI)
Illumination light source	Full spectrum LED light source
Measuring aperture	8mm
Measurement conditions	Light source D65, field of view 10°
Measuring time	About 1s
Color space	CIE Lab, Luv, LCh, Yxy, CMYK, RGB, Hex
Color difference formula	Standard deviation ΔE*ab≤ 0.03 (Measurement condition: the average value of 30 measurements on the whiteboard at an interval of 3s after calibration)
Dimension	86mm×62.5mm×158mm
Weight	About 245g
Power supply	Rechargeable lithium battery3.7V@4000mAh, can measure 10,000 times continuously under full charge
Display	480×320 dot matrix IPS color screen
Charging port	USB (Type-C)
Data transmission	USB, Bluetooth
Operating temperature range	0~45℃, 0~85%RH (no condensation)
Storage temperature range	-25~55℃,0~85%RH (no condensation)

Color measurement and contrast function

Color measurement can be achieved by tapping the screen button or pressing the power button, and the measuring result comes o ut in one second. Two steps can complete the color comparison when the QC function is enabled, batch detection can be performed, and the color difference threshold can be customized to quickly achieve quality control

Bluetooth connection   **USB connection**

Lab color deviation indicator, making color management easier
Providing the color deviation indicator of the three-color channels of Lab, and assistance for color adjustment