

Colorimeter WR10



The Colorimeter WR10 is a versatile, high-performance instrument designed for precise and reliable color measurement across various industries. Built with imported key components and adhering to International Commission on Illumination (CIE) standards, it offers excellent precision, stability, and ease of use. The WR10 is ideal for color quality control, color difference analysis, sampling testing, and online testing in industries such as textiles, printing and dyeing, garments, shoes, leather, chemicals, plastics, pigments, paints, inks, metals, photography, toys, and more. With its 8mm measuring area, it is especially effective for flat surface materials, providing reliable performance for color matching during processes like injection, inking, painting, and spraying coatings. Cost-effective and easy to learn, the WR10 is a trusted solution for achieving high-quality color consistency across diverse applications.

Features (5C):

1. Convenient: automatic correction when starting up, no need to do calibration manually each time. (national patent).
2. Comfortable: observation with real color screen display, handheld and exquisite.
3. Cost-efficient: good performance, stable measurement, low cost.
4. Configuration: rechargeable, high capacity lithium battery.
5. CE & RoHS certification.

Model	WR-10
Color Space	CIELAB
Color Difference Formula	ΔE^*ab
Measurement Caliber	$\phi 8mm$
Illumination Condition	CIE Recommendation: 8/d
Light Source	D65
Sensor	Photodiode array
Observer	CIE 10° Standard observer
Measurement Range	L: 0 to 100
Repeated Accuracy	$\Delta E < 0.08$
Table Difference	$\Delta E < 0.2$
Measurement Interval	0.5 Sec.
Storage Capacity	Type sample data : 100 groups with testing sample data: 100 groups
Lifetime of Bulb	5 years more than 1.6 million measurements
Display Screen	TFT true color 2.8inch@(16:9)
Language	English/Simplified Chinese
Working Temperature Range	0°C-40°C (32°F-104°F)
Storage Temperature Range	-20°C-50°C (-4°F-122°F)
Humidity Range	Relative humidity less than 85%,without condensation
Weight	700g



Size	199*68*90mm
Package Size	400*240*340mm
Battery Charging Time	8 hrs
Battery	Li-ion battery, 5000 times Measurement
Standard Accessories	AC adapter/ 3000mAH Li-ion battery
Optional Accessories	Flour measuring device/Micro printer