

Colorimeter WR18 (4mm,8mm,40mm)



WR-18 includes 3 switchable calibers (4mm/8mm/40mm) this version is a specially designed, high performance precision colorimeter, caliber 4mm can apply on small area, cambered and other special surface, caliber 8mm is a universal type for many field, also caliber 16mm can be used for huge, texture and pitting surface. It can bring great convenience for the user in the color quality detection on all kinds of measuring material.

Color Space	CIELAB CIELCH CIEXYZ sRGB
Color Difference Formula	ΔE^*_{ab} ΔE^*_{LCH}
Measurement Caliber	Φ40mm/Φ8mm/Φ4mm Alternative
Illumination Condition	CIE Recommendation : 8/d
Light Source	D65 A F(CWF)
Sensor	Photodiode array
Observer	CIE 10° Standard observer
Measurement Range	L: 0 to 100
Repeated Accuracy	$\Delta E < 0.06$
Table Difference	$\Delta E < 0.2$
Measurement Interval	0.5 Sec.
Storage Capacity	Type sample data : 100 groups with testing sample data: 200 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
Interface of External	USB2.0 (USB-B) RS-232 (115200bps)
WorkingTemperatureRange	0°C-40°C (32°F-104°F)
StorageTemperatureRange	-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