

COLORIMETER

เครื่องวัดสี

MODEL : WR18

The WR18 colorimeter applies to the color quality control, color difference control, color difference analysis, sampling testing and online testing for industries as textile, printing and dyeing, garments, shoes, leather, chemical, plastic, pigment, paint, ink, printing, metal, photography and toys etc., as well as to the auxiliary color matching during the processes as injection, inking, painting and spraying coating etc.

WR18 includes 3 switchable calibers (4mm/8mm/Optional accessories: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.

Parameters

- Model: WR18
- Color Space: CIELAB CIELCH CIEXYZ sRGB
- Color Difference Formula: E*ab ,E*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: E<0.06
- Table Difference: E<0.2
- Measurement Interval: 0.5 Sec.
- Storage Capacity: Type sample data : 100 groups ; 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)
- Working Temperature Range: 0C-40C (32oF-104oF)
- Storage Temperature Range: -20C-50C (-4oF-122oF)
- Humidity Range: Relative humidity less than 85%,without condensation
- Weight: 700g
- Size: 199 x 68 x 90mm
- Package Size: 400 x 240 x 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

Advantages of the WR18 colorimeter

1. This colorimeter can display the deviation of the color, such as the lack of black and whitish, reddish lack of green, yellow lack of blue, and can assist harmonize colors.
2. 4mm and 8mm measuring caliber can be freedom to switch.
3. Three types of lighting source(D65,A,F2).
4. Can connect the computer software,Implement the data uploaded to the computer.
5. Rechargeable lithium battery is been used on WR-10 colorimeter.
6. The large data capacity storage space.

