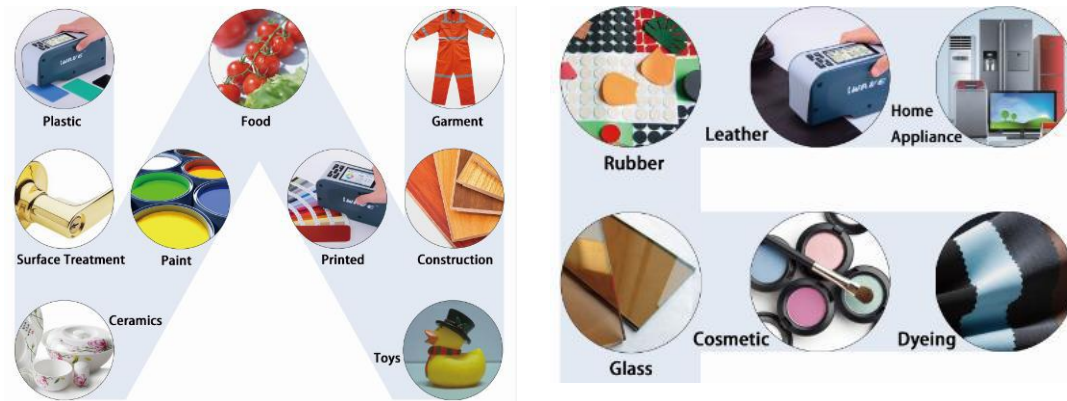


Portable Colorimeter WR10



Introduction:

Hand-held colorimeter WR10 is years of painstaking development of the high-precision colorimeter, serially developed according to the measuring requirements on different products and gain many optimal achievements with cost performance. It can be applicable in textile, printing and dyeing, clothing, footwear, leather, chemicals, plastics, film, pigments, paints, inks, metal, photography, toys, food medicine and other liquid, powder and special industry for color quality control, color analysis, sample testing, production line testing, also suitable for injection molding, ink, paint, spray and other color industries.



Measuring Area Application:

Aperture 8mm version is a general-purpose color difference meter, mostly used on flat surface materials. It provides great convenience and trustworthy reliability for its versatility, tiny table difference, and stability.

Advantages:

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.

Data Sheet

| | |
|---------------------------------|---|
| Model | WR-10 |
| Color Space | CIELAB |
| Color Difference Formula | ΔE^*_{ab} |
| Measurement Aperture | $\phi 8\text{mm}$ |
| 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 |
| Interface of External | USB2.0 (USB-B) RS-232 (115200bps) |
| Working Temperature | 0°C-40°C (32°F-104°F) |
| Storage Temperature | -20°C-50°C (-4°F-122°F) |
| Humidity Range | Relative humidity less than 85%,without condensation |
| Weight | 700g |
| Size | 199*68*90mm |
| Battery Charging Time | 8 hrs |
| Battery | Li-ion battery, 5000 times Measurement |
| Standard Accessories | AC adapter/ 3000mAH Li-ion battery/User manual/Warranty card |
| Optional Accessories | Flour measuring device/Micro printer/liquid, powder, pulp accessory |