Portable Colorimeter

ITK-R10
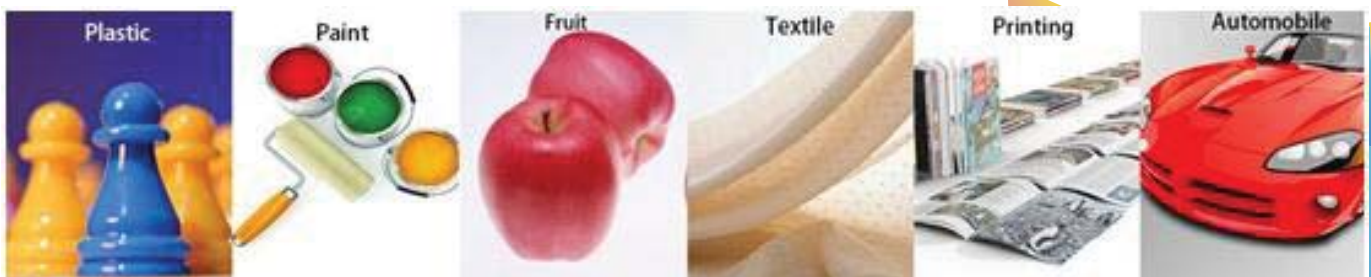
Introduction

Hand-held colorimeter ITK-R10 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.

Aperture 8mm 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

Features

- Convenient: automatic correction when starting up, no need to do calibration manually each time;
- Comfortable: observation with real color screen display, handheld and exquisite;
- Cost-efficient: good performance, stable measurement, low cost;
- Configuration: rechargeable, high capacity lithium battery.

Plastic   Paint   Fruit   Textile   Printing   Automobile

Portable Colorimeter

ITK-R10

Specification

Model	ITK-R10
Color Space	CIELAB
Color Difference Formula	Eab
Aperture	φ8mm
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	E<0.08
Table Difference	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 x 68 x 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