



PF30 DIGITAL COLORIMETER

Introduction

TOP INSTRUMENT Digital Colorimeter is a professional colorimeter designed and produced subject to the relevant standards of International Commission on Illumination (CIE) and national stands. Being with brand new imported key components, the instrument is well designed and features in precision, stability, easy handling, easy to learn and cost-effective.

Features

- It can be applicable in textile, printing and dyeing, clothing, footwear, leather, chemicals, plastics, film, pigments, paints, inks, metal, photography, toys, etc.
- Contain light way: SCI SCE.
- The colorimeter using the new import key components, carefully designed, with accuracy and stability, simple operation, easy to learn, affordable.
- Test textured object, pitting, or the measured surface grainy relatively strong or relatively large size of the measured object.

Technical Parameter

Display Mode	CIELAB, CIELCH
Color Difference Formula	E*ab
Illumination Condition	CIE Recommendation: 8/d
Light Source	LED blue excitation
Sensor of colorimeter	Photodiode array.
Measurement Caliber	φ 4mm/ φ 8mm/ φ 16mm Alternative
Measurement Condition	Observer: CIE 10° Standard observer
	Light source: D50 D65 F11(TL84)
	Contain light way: SCI SCE
Measurement Range	L: 0 to 100
Repeated Accuracy	E<0.05 (take the deviation average after 30 times measuring the whiteboard)
Table Difference	E<0.2
Measurement Interval	0.5 Sec.
Storage Capacity	Type sample data: 100 with testing sample data: 200
Language Patterns	English/Simplified Chinese
Battery Charging Time	8 hrs
Battery	Li-ion battery, 5000 times Measurement
Lifetime of Bulb	5 years more than 1.6 million measurements
Display Screen	TFT true color 2.8inch@(16:9) Resolution ratio:400x240
Interface of External	USB2.0 (USB-B)- data communication with "color analysis system"software RS-232 (115200bps)- connected with micro printer
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
Size of Exterior Package	400*240*340mm
Standard Accessories	3000mAH Li-ion battery/AC adapter/USB Data line/CD "Color analysis software"/User manual/Warranty card
Optional Accessories for colorimeter	Flour measuring device/Liquid measuring device/Micro printer