STALWART

**Colorimeter
ST-CP60**

Introduction

ST-CP60 cost-effective colorimeter has the advantages of high accuracy, powerful function and precise measurement which are warmly welcomed by customers. Color Measurement is so easy.

4mm

8mm

Features

- Switchable 8mm and 4mm measuring apertures, easy to measure concave surface.
- Higher measurement stability and accuracy, Delta E ab<0.03.
- More color spaces, various color indexes, extensive applicability.
- Double locating: illuminating locating and cross locating.
- Configured with high-capacity rechargeable Li-ion battery.
- Built-in white plate parameters and physical white calibration board, easy to operate.
- New integrating sphere optical path design, more stable measurement
- Measurement data can pass national metrology authentication.

Specification

Item	ST-CP60
Illuminating/Viewing Geometry	8°/ d
Light Source	LED Light
Sensor	Silicon photoelectric array
Measuring aperture	Φ8mmflat aperture; Φ4mmtip aperture
Color Space	CI E L AB,XYZ,LCh,CI E RGB,CI E LUV
Color Difference Formula	ΔE^* ab, ΔE(h) , ΔE^* uv,ΔE^* 94, ΔE^*cmc (2: 1) , ΔE^*cmc (1: 1) , ΔE^* 00
Other Chromaticity Data	WI (E313,CI E, AATCC), YI (D1925,313),Color Fastness, Staining Fastness, J PC79,BFD(1. 5: 1),FMCI I
Observer	CI E 10°
Illuminant	D65, A, C, D50, F2, F6, F7, F8, F10, F11, F12
Display Data	Colorimetric Value, Color Difference Value/Graph, PASS/ FAIL Result, Color Offset,
Measuring Time	0. 4s
Repeatability	ΔE^* ab 0. 03 (Average of 30 measurements of standard white plate within 5s)

Specification

Errors between each instrument	within Delta E*ab 0.2
Dimension	205*67*80mm
Weight	500g
Battery	rechargeable lithium-ion battery 3. 7V @ 3200mAh
Lamp Life	5 years, more than 1.6 million measurements
Screen	TFT 2.8 inch? (16: 9)
Interface	USB/ RS- 232
Storage	100 Standards, 20000 Samples
Operating Temperature	0~40°C (32~104°F)
Storage temperature	20~50°C (-4~122°F)
PC software	CQCS3 software
Optional accessory	Miniature thermal printer, powder test box

Accessories

Powder Test Box

Micro Printer

Calibration Plate

Application

ST-CP60 Colorimeter is widely used in plastic, electronic, paint, ink, textile, garment, printing and dyeing, food, medical, cosmetic, industries, scientific research institutes, schools and laboratories. It can precisely measure kinds of color indexes in various color spaces and easy to use with powerful functions. The instrument is equipped with high-end color management software which can connect to PC to achieve more extension functions.

Paint   Pigment   Textile   Plastic   Rubber   Cosmetic

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