Portable Colorimeter LD-LPCO-A10

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Overview

Portable Colorimeter LD-LPCO-A10 offers 8/d illuminating and viewing geometry combined with a 4mm measuring aperture. It is equipped with a silicon photoelectric diode detector that ensures accurate and consistent measurement. It can deliver up to 3000 measurements on a single charge, making it ideal for long-term fieldwork. The double-locating system of our colorimeter allows both illuminating and cross-locating that helps in precise measurement in various environments.

Features:

- Switchable double measurement end face
- Integrating sphere optical path design
- High-capacity rechargeable Li-ion battery
- Configurable software
- Built-in white plate parameter
- Simple and convenient to use

Applications:

The Portable Colorimeter LPCO-A10 is ideal for color measurements in industries like textiles, plastics, coatings, and printing. It ensures color consistency and quality control, supporting tasks such as product inspection, research, color matching, and process optimization in both lab and field environments.

Specifications:

Battery	Rechargeable Li-ion battery
Display	TFT LCD
Storage	100pcs standards, 20000pcs samples
Detector	Silicon photoelectric diode
Lamp Life	3 years, more than 1 million times
Net Weight	0.5 kg
Color Space	CIE L*a*b*C*h*, CIE L*a*b*, CIE XYZ
Gross Weight	3 kg
Light Source	D65
Power Supply	3.7V at 3200mAh
Charging Time	8 hours (100% electricity)
Repeatability	Standard deviation within ?E*ab ? 0.08
Data Interface	USB

Humidity Range	0.85
Measuring Aperture	?4mm
Ambient Temperature	-10 - 40°C
Light Source Device	LED blue light excitation
Color Difference Formula	?E*ab, ?L*a*b*, ?E*C*h
External Size (W × D× H)	205 × 67 × 80 mm
Package Size (W × D × H)	370 ×170 ×310 mm
Errors Between Each Equipment	? 0.80 ?E*ab
Illuminating/Viewing Geometry	8/d
Measurement Times Before Recharging	3000 times in 8 hours