

COLORIMETER MET81-045



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A colorimeter is an instrument that determines the amount of light that passes through a solution in comparison through a pure solvent. A photocell in the colorimeter detects the amount of light passing through the solution and converts it into an electrical signal. Light absorption and the current produced by the photocell is increased by higher concentrations and colors.

MET81-045 COLORIMETER

Built-in white plate parameters. No need to calibrate each time which can perform measurement quickly.

Double Locating: Illuminating locating and precise cross locating.

Switchable Double Measurement End Face: Large stable end face and small concave-convex end face.

New 45°/0° Optical Path Design: Significantly improve the measurement stability and precision.

8mm Measuring Aperture.

Equipped with rechargeable high-capacity Li-ion battery. No need to purchase battery repeatedly.

Configure CQCS3 software. Connect PC computer to realize more functions.

Having got SCM Metrological Certification, CE Certification, and ISO9001 Quality Management System Certification.

Hand-head structure: small and convenient; make the measurement easier.

Exquisite appearance: adopts traditional and fashionable aesthetic designs.

SPECIFICATIONS

Model	MET81-045
Optical Geometry	45°/0°
Standards compliant	CIE No.15,GB/T 3978.
Sensor	Silicon Photoelectric Diode Array
Measuring Aperture	Φ8mm flat
Color Space	CIE LAB XYZ Lch
Observer	CIE 10° Standard observer
illuminant	D65
Displayed Data	Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Offset/ Deviation direction
Measurement Time	1.5 s
Repeatability	ΔE^*ab within 0.08 (average value for 30 times)
Inter-instrument agreement	ΔE^*ab Within 0.4 (Average value for measuring BCRA Series II 12pcs plattes)
Operating Environment	0~40°C(32~104°F)
Storage Environment	-20~50°C(-4~122°F)
Battery Performance	Rechargeable Li-on Battery, 3.7 V @ 3200 mAh
Lamp Life	5 years, more than 1.6 million measurements
Display	TFT Color 2.8inch@ (16:9)
Interface	USB
Data Storage	Standards:100 samples: 20000
PC Software	CQCS3 software

Standard Accessories	Power Adapter, manual, Quality management software (official website download), USB cable, Wristbands
Optional Accessories	Micro Printer, powder test box
Size	205x67x80 mm
Weight	About 400g(including battery)



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