

COLORIMETER MET81-040



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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.

MET81-040 COLORIMETER



SPECIFICATIONS

Model	MET81-040
Optical Geometry	8°/D
Standards compliant	CIE No.15, GB/T 3981
Sensor	Silicon Photoelectric Diode Array
Measuring Aperture	Φ 4 mm
Color Space	CIE LAB, LCh
Observer	CIE 10° Standard observer
Illuminant	D65
Displayed Data	Chromaticity Values, Color Difference Values, Pass/Fail Result, Color Offset/Deviation Direction
Measurement Time	1.5 s
Repeatability	ΔE^*_{ab} 0.03
Inter-instrument agreement	ΔE^*_{ab} Within 0.4 (average value for measuring BCRA series II 12pcs palettes)
Size	206x67x80 mm
Weight	About 400g(including battery)
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	Standard: 100, Sample: 10000
Operating Environment	1~40 °C (32~104 °F)
Storage Environment	- 20~50 °C (-4~122 °F)
Standard Accessories	Power adapter, manual, quality management software (official website download), USB cable, wristband
Optional Accessories	Micro Printer, Powder Test Box

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