LABSTAC

COLORIMETER MET81-400

labstac.com

COLORIMETER MET81-400

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.

MET81-400 COLORIMETER

SPECIFICATIONS

Model	MET81-400
Optical Geometry	45°/0°
Standards compliant	CIE No.I5, GB/T 3979
Sensor	Silicon Photoelectric Diode Array
Measuring Aperture	Φ 20 mm
Color Space	CIE LAB,XYZ, 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 Within 0.08 (average value for 30 times)
Inter-instrument agreement	ΔE*ab Within 0.4 (average value for measuring BCRA series II 12pcs palettes)
Size	205x67x80 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: 20000
Operating Environment	1~40 °C (32~104 °F)
Storage Environment	- 20~50 °C (-4~122 °F)
PC Software	CQCS3 software
Standard Accessories	Power adapter, manual, quality management software (official website download), USB cable, wristband

Optional Accessories	Micro Printer, Powder Test Box

Labstac LLC
82 Wendell Avenue, STE 100, Pittsfield, MA, 01201, USA
Email: contact@labstac.com | Website: labstac.com