



COLORIMETER BMET-804

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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.

BMET-804 COLORIMETER



SPECIFICATIONS

| Model | BMET-804 |
|----------------------------|--|
| Optical Geometry | 8°/D |
| Standards compliant | CIE No.15, GB/T 3978 |
| Sensor | Silicon Photoelectric Diode Array |
| Measuring Aperture | Φ 8 mm flat, Φ 4 mm sharp |
| Color Space | CIE LAB, LCh,XYZ, CIE RGB,CIE LUV |
| Observer | CIE 10° Standard observer |
| Illuminant | D65,A,C,D50,F2,F6,F7,F8,F10,F11,F12 |
| 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 | 205x67x80 mm |
| Weight | 500 g |
| Battery Performance | Rechargeable Li-on Battery, 3.7V@3200 m A h |
| 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 | 0~40 °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 |



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