



CODE GT1339
 OVERALL DIMENSION ... 193x69x96 mm
 WEIGHT 670 gr

SPECTROPHOTOMETER CM – 25 d

STANDARD

UNI EN ISO 10545 – 16

DESCRIPTION

Single aperture version (8mm) portable spectrophotometer with the same simple, modern user interface and built-in sample viewer.

Portable Spectrophotometer

Wavelength range 400–700 nm

d:8° Sphere Geometry

Simultaneous SCI / SCE measurement

TECHNICAL SPECIFICATIONS

COLOR:

ILLUMINATION/VIEWING SYSTEM: di: 8°, de: 8°(diffuse illumination / 8°viewing) SCI (specular component included) / SCE (specular component excluded) switchable Conforms to CIE No. 15 (2004), ISO7724/1, ASTM E1164 (SCI), DIN 5033

Teil7, JIS Z 8722 Condition c standard

INTEGRATING SPHERE: Ø 54 mm

DETECTOR: Dual 32-element silicon photodiode arrays

SPECTRAL SEPARATION DEVICE: Planar diffraction grating

WAVELENGTH RANGE: 400 to 700 nm

MEASUREMENT WAVELENGTH PITCH: 10 nm

REFLECTANCE RANGE: 0 to 175%; Resolution: 0.015

LIGHT SOURCE: Pulsed xenon lamp x1 (with UV cut filter)

ILLUMINATION AREA: max Ø12 mm

MEASUREMENT AREA: MAV: Ø8 mm

REPEATABILITY: Standard deviation within ΔE^*ab 0.04

UV SETTING: 100% / 0% / Adjusted (instantaneous numerical adjustment of UV with no mechanical filter movement required)*; 400 nm UV cutoff filter

OBSERVER: 2° Standard Observer, 10° Standard Observer

ILLUMINANT: A, C, D50, D65, F2, F6, F7, F8, F10, F11, F12, D50, D65, User-defined illuminant (simultaneous evaluation with two light sources possible)

DISPLAY ITEMS: Colorimetric values/graph, color difference values/graph, spectral graph, pass/fail judgment, pseudocolor

COLOR SPACES: L*a*b*, L*C*h, Hunter Lab, Yxy, XYZ, and color difference in this spaces; Munsell C

INDICES: M1;W (ASTM E313–73); YI (ASTM E313–73; ASTM D1925; ISO brightness ISO 2470 WI/Tint (CIE); Tristimulus Strength; Opacity; Grey scale (ISO 105–A05); 8° gloss value; K/S strength (Apparent ΔE^*ab), Maximum absorption, Total wavelength) Staining degree (ISO 105–A04) User index

COLOR DIFFERENCE EQUATION: ΔE^*ab (CIE1994) ΔE_{00} (CIEDE2000) CMC (L:C), Hunter ΔE , DIN 990, FMC–2

EQUIPMENT

- White calibrating plate, target mask Ø 8mm, RS–232C cable, AC adapter
- AA-size battery

ACCESSORIES

GT1340	Software lite USB
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