



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

SPECTROPHOTOMETER CM - 2500 D

STANDARD
UNI EN ISO 10545 - 16

DESCRIPTION

Portable instrument, compact. One hand is enough to hold to operate it by means Navigation Wheel guides you through all the menu options with great ease forward/backward and pressing down like using a PC mouse. The large display shows all the information you need, either complete graphical and numerical color information or a simple PASS / FAIL message.

TECHNICAL SPECIFICATIONS

- Geometry: $d/0^\circ$ (diffuse illumination / 8° viewing angle)
- Measuring area: \varnothing 8 mm
- Detector: Silicon photodiode array (dual 40 elements)
- Spectral separation device: Diffraction grating
- Wavelength range: 360 nm to 740 nm
- Wavelength pitch: 10 nm
- Half bandwidth: Approx. 10 nm
- Reflectance range: 0 to 175%; display resolution: 0.01%
- Light source: 2 pulsed xenon lamp
- Measuring time: reading 1,5 sec
- Minimum measurement interval: 3 seconds for SCI/SCE
- Measurement/illumination area: MAV: \varnothing 8 mm / \varnothing 11 mm
- Repeatability (Standard deviation): Spectral Reflectance: within 0,1% (360 to 380 nm within 0,2%, Chromaticity Value: ΔE^*ab 0,04 (When a white calibration plate is measured 30 times at 10 second intervals after white calibration)
- Measurement mode: Single/averaging (auto mode 3, 5, 8 flashes/manual mode)
- Interface: RS-232C
- Observer: $2^\circ/10^\circ$ CIE (CIE 1931: 2° , CIE 1964: 10°)
- Illuminant: CIE: A, C, D50, D65, F2, F6, F7, F8, F10, F11, F12 (simultaneous evaluation is possible using two light sources)
- Outputs: Spectral value/graph, colorimetric value, color difference value/graph, PASS/FAIL result, value gloss relative
- Display range: 1,5-100% in reflectance
- Color space / colorimetric data: $L^*a^*b^*$, L^*C^*h , CMC (1:1), CMC (2:1), CIE94, Hunter Lab, Yxy, Munsell, XYZ, MI, WI (ASTM E313), YI (ASTM E313/ASTM D1925), Brightness ISO (ISO 2470), Density status A/T, WI/Tint (CIE/Ganz), L99 a99 b99, L99 c99 h99
- Memory capability: 700 set data in mode "defined in COND."
- Tolerance Display: tolerance for color difference (both box and elliptical tolerances can be set)
- Supply: AC adapter 230 VAC / 50-60 Hz

EQUIPMENT

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

ACCESSORIES

GT1340	Software lite USB
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