



CODE **GT2596**
MODEL COLORIMETRO CR-400
OVERALL DIMENSION 102x217x63 mm
VOLTAGE 120V 50-60Hz
WEIGHT 550 g

CODE **GT2597**
MODEL COLORIMETRO CR-410
OVERALL DIMENSION 102x217x63 mm
VOLTAGE 120V 50-60Hz
WEIGHT 570 g

COLORIMETERS CR

DESCRIPTION

The CR-400 Colorimeter has a measurement area of 8 mm and is suitable for measuring absolute colors and color difference in a wide range of industrial sectors. It is able to meet the needs in different applications, ingredients, foods, raw materials, finished products, manufactured goods, pharmaceutical sector and dermatological applications. If the samples are textured or irregular on the surface, such as granules, fabrics, wood, stones, bricks, the CR-410 is the right choice. It is the only instrument on the market with a measuring area of 50 mm and is perfectly suited for such inhomogeneous samples.

TECHNICAL SPECIFICATIONS

- Vision / illumination system CR-400: Diffused illumination / 0 ° viewing angle
- Vision / Illumination System CR-410: Wide Illumination / 0 ° viewing angle
- Detector: Silicone photocells (6)
- Display range: Y: 0.01 to 160.00% (reflectance)
- Light source: Pulsed xenon lamp
- Measurement time: 1 second
- Minimum measurement interval: 3 seconds
- Battery performance: Approximately 800 measurements
- Measurement / illumination area CR-400: Ø8 / Ø11
- Measurement / illumination area CR-410: Ø50 / Ø53
- Repeatability: Within ΔE^* ab 0.07 standard deviation
- Illuminant: C, D65
- Display: Color values, color difference values, PASS / WARN / FAIL display
- Tolerance: tolerance on color difference
- Colorimetric data / indices: XYZ, Yxy, L * a * b *, Hunter Lab, L * C * h, Munsell (illuminant C only), CMC (l: c), CIE1994, Lab99, LCh99, CIE2000C, CIE VETC ...
- Languages Operating keys: English
- LCD: English (default) (LCD: German, French, Italian, Spanish, Japanese)
- Data memory: 1,000 (measuring head and data processor save different data)
- Target colors for color difference: 100
- Calibration channels: 20 channels (ch00: white calibration, from ch01 to ch19: user calibration)
- Display: Dot matrix LCD with backlight (15 characters x 9 lines + 1 line for displaying icons)
- Interface: RS-232C (for data processor / PC)
- Power supply: 4 alkaline or Ni-MH size AAA batteries,
- Adapter: AC AC120V ~ 50-60Hz or C230V ~ 50-60Hz
- dimensions CR-400: 102x217x63 mm
- dimensions CR-410: 102x244x63 mm
- weight CR-400: 550 g
- weight CR-410: 570 g
- Operating temperature / humidity range: 0 to 40 ° C, relative humidity 85% or less (at 35 ° C) non-condensing
- Storage temperature / humidity range: -20 to 40 ° C, relative humidity 85% or less (at 35 ° C) non-condensing

**EQUIPMENT**

- White Calibration Plate
- Handle
- Protective cap
- 220V power supply
- Head Serial Cable / DP-400 (model CR410)
- Transport case Handle (model CR410)

ACCESSORIES AND SPARE PARTS

GT2598	USB serial cable for PC Rs-232C connection
GT2599	Glass-free light projection tube CR-400
GT2600	Spectra Magic NX LITE software
GT2601	Software CRS4W for Excel data download in XYZ format
GT2602	Container for granular materials
GT2603	Spare glasses for CR-A50 accessory
GT2604	Light projection tube with glass (8 mm) CR-400
GT2605	Light projection tube with glass (50 mm) CR-410
GT2606	Glass Cell Support CR-400
GT2607	Tube cell (35x34Φ) CR-400
GT2608	Vertical stand CR-400
GT2609	Support for petri cell CR-410
GT2610	Petri cell 40,5x60 mm CR-410
GT2611	White tile calibration certificate