CODE **GT0167**
OVERALL DIMENSION . . . . . *250x200x250 mm*
WEIGHT . . . . *1,5 kg*

COLORMETER CM-400

STANDARD

UNI EN ISO 10545 - 16

DESCRIPTION

Portable colormeter, suitable for tiles, powder, pastes, and other granular substances, with easily and accurately measured. The measuring head is detachable from the data processor. Now, you can take measurements directly with the head alone and can store up to 1000 measurement and up to100 colour-difference target colours; when the data processor is connected can be stored up to 2000 measurements. The compact, light-weight data processor is rechargeable battery-operated and features a built-in high-speed printer. A simple, cellular-phone-type text entry system is provided for entering the names of color-difference target colours and calibration channels.

TECHNICAL SPECIFICATIONS

- Geometry: d/0° (diffuse illumination / 0° viewing angle)
- Measuring area: Ø 8 mm
- Measurng time: reading 1 sec., recharge reading 3 sec
- Light source: Pulsed xenon lamp
- Detector: 6 silicone photo cells doble rays
- Illuminant: C (6744K), CIE D65 (6504K)
- Display range: 1,5—100% in reflectance
- Repatability: ΔE^*ab within 0,07; chromaticity (x,y) within ±0,0002
- Display LCD languages: selecting GB-USA, F, I, E, D, J.space: XYZ, Yxy, L*a*b*, Hunter Lab, L*C*h, Munsell (only illuminant C) CMC (l:c), CIE 1994, Lab99
- Colorimetric data: max, min, medium and standard deviation LCh99, CIE2000, CIE WI Tw (only illuminant D65)
- WI ASTM E313 (only illuminant C), YI ASTM D1925 (only illuminant C), YI ASTM E313(only illuminant C)
- Inter-strumental agreement: ΔE^*ab within 0,6
- Memory capability:100 colors,1000 measuring value
- Interface: RS-232C (compliant for data processor/PC), 19200 bps

EQUIPMENT

- Printer data processor + RS-232C cable
- White calibrating plate 8 mm

ACCESSORIES AND SPARE PARTS

GT0183	Granular-materials attachment
GT0184	Software
GT1168	Packing of 20 thermal paper rolls for data processor

CODE **GT1654**
MODEL . . . . **COLORMETER CM 200**
OVERALL DIMENSION . . . . 77x66x210 mm
WEIGHT . . . . .0,55 Kg

CODE **GT1709**
MODEL . . . . **COLORMETER CM 300**
OVERALL DIMENSION . . . . 77x66x210 mm
WEIGHT . . . . .0,55 Kg

COLORMETERS CM

STANDARDS
UNI EN ISO 10545 - 16

DESCRIPTION
Portable instrument for spectral analysis colour in ceramic industry and other many sectors (wood, paint, etc,).All the function and parameter are execute through 4 big keys on the keyboard and the easily menu that shown on colour 2,4" LCD display, SCI and SCE model and metamerism analysis for different working status. Tolerance setting, humanizational auto-judge color difference values and color deviation for judging the color easily. Professional color analysis software "Dataview" Windows for doing the colour data analysis and colour difference diagrammatic outputting.
The model CM 300 is suitable to check powder, colloid and high reflection pieles.

TECHNICAL SPECIFICATIONS
- *Light source: white light*
- *Reflecting spectral curve: CIELAB, LcH, CMC,etc*
- *Repeatability: 0,08 (test the standard white tabula for 30 times to get the average value)*
- *Measuring geometry: 8°/d (8° Falloff/diffuse reflection)*
- *SCI Control System (Includes effect of reflected light) GT 1654*
- *Control System SCE (eliminate reflected light) GT1709*
- *Inspection angle: 10° angle of view in CIE*
- *Measuring area: Ø 8 mm*
- *Inspection condition: D65*
- *Parameter displayed: L*a*b*, L*c*h* Chroma values and E*ab (L*a*b*),(L*c*h*) color difference values*
- *Storage: 100 groups of standard samples and it can keep 100.groups of sample values under every standard*
- *Calibration: standard BLACK cavity / WHITE plate*

EQUIPMENT
- *CD rom Dataview/Windows*
- *USB connecting cable to PC*
- *No.4 alkaline batteries*
- *Special adapter (DC:5V)*
- *Standard Black and White*