Colorimeter 33-CMT103

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colorimeter offers the specular component excluded SCE measuring condition, specially designed for color measurement of powders, pasty materials, colloids and highly reflective materials. Both the yellowness & whiteness measurement can be done using this colorimeter. This colorimeter gives ultra stable performance throughout the operations.

Features:

Can precisely test pasty material, powders
8 °/ d (diffusion illumination) system, SCE (spectral components excluded)
2.4 inch LCD display screen
Measurement can be done at multiple spots for average readings
Can perform both yellowness & whiteness measurement
Can manually set up L × a × b × value for standard samples
PC software & data control
USB & Bluetooth for data transmission

Applications:

This colorimeter has major applications in dye and painting, decoration, Biotechnology, pharmacy food, printing industries for measurement of pasty materials & powders.

Specifications :

Characteristic function	Can precisely test pasty material, powders
Illumination system	8°/d (diffusion illumination), SCE (spectral components excluded)
Display mode	Colorimetric values: L × a × b?L × C × h??E × ab?XYZ?relative RGB values Color difference values: ?(L × a × b)??(L × C × h) Whiteness values: hunter whiteness, Ganz whiteness Yellowness value: YI
Display screen	2.4 inch LCD display screen
Measuring calibration	About 8 mm
Measuring condition	CIE 10° standard observation / CIE D65 light source
Measuring range	L × 1 - 100
Storage	100 sets of standard samples and 100 data groups for each sample
Measuring aperture	8 mm
Repeatability	Standard deviation within ?E × ab × 0.08 (Measuring condition: measuring white calibration board 80 times)
Measurement time	0.5 s
Light source	LED halogen lamp
Power supply	Four 1.5V AA sized alkaline battery or nickel metal hydride batteries / DC 5 V
Interface	USB 2.0, printer
Weight	550 g
Dimension (volume)	77 × 86 × 210 mm