

CL 223

PRODUCT SPECIFICATION SHEET

Microprocessor Based Colorimeter



Table Top



LED Display



Test Tube

Microcontroller based Digital Colorimeter.

Auto Zero Facility.

Display of %T, Abs and two Concentration scales C1 & C2.

SALIENT FEATURES

- Long Life LED Light source.
- Long Life Photo Diode Detector.
- User friendly operation.
- Last factors used for C1 and C2 will be stored along with last wavelength and the last scale even on power turn off.
- Auto Storage Facility for Concentration.
- Immune to ambient light variations.
- Compact, Rugged, Sturdy, Reliable and Easy to Operate.
- Only 1 ml of sample needed.

APPLICATIONS

In determination of concentration of constituents in

- Clinical
- Pharmaceutical
- Food & Beverages
- Water Analysis.
- Analytical and Agricultural Chemistry
- Metallurgy



Clinical



Pharmaceutical



Food & Beverages



Water



Agriculture



Chemical



Mines & Geology



Metals

SPECIFICATIONS

PEAK WAVELENGTH

410, 470, 490, 520, 540, 580,
610 & 640 nm

SAMPLE VOLUME

Min. 1 ml

CONCENTRATION RANGE

C1 000 TO 999

C2 00.0 TO 99.9

DATA PRESENTATION

Readout 5 digit 7 segment LED of 14mm height

POWER REQUIREMENT

230 V \pm 10% AC, 50 Hz, 1 ϕ , 5 VA Max.

PHOTOMETRIC RANGE

% Transmission	0 to 250	
Absorbance	-0.31 to 2.0 Abs	
Repeatability	\pm 0.01 Abs	
Readability	%T	1
	Abs	0.01

SHUTTER

To prevent the Detector from continuous exposure to Light

LIGHT SOURCE

LED

DETECTOR

Silicon Photo Diode

SAMPLE HOLDER

75 x 12 mm \pm 0.5 mm Test tube with 10 mm Path Length

ACCESSORIES SUPPLIED

With Instrument Matched Test Tubes

PHYSICAL DIMENSIONS

Size (WxDxH) in mm	155 x 162 x 86
Weight (in kg)	Approx. 1

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