

**MICROPROCESSOR
BASED COLORIMETER**

CL 223

PRODUCT SPECIFICATION SHEET



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		PHOTOMETRIC RANGE			LIGHT SOURCE	
410, 470, 490, 520, 540, 580, 610 & 640 nm		% Transmission	0 to 250		LED	
		Absorbance	-0.31 to 2.0 Abs			
		Repeatability	± 0.01 Abs			
		Readability	%T	1		
			Abs	0.01		
SAMPLE VOLUME		SHUTTER			DETECTOR	
Min. 1 ml		To prevent the Detector from continuous exposure to Light			Silicon Photo Diode	
CONCENTRATION RANGE					SAMPLE HOLDER	
C1	000 TO 999				75 x 12 mm ± 0.5 mm Test tube with 10 mm Path Length	
C2	00.0 TO 99.9					
DATA PRESENTATION				ACCESSORIES SUPPLIED		
Readout	5 digit 7 segment LED of 14mm height			With Instrument	Matched Test Tubes	
POWER REQUIREMENT		PHYSICAL DIMENSIONS				
230 V ± 10% AC, 50 Hz, 1ϕ, 5 VA Max.		Size (WxDxH) in mm	155 x 162 x 86			
		Weight (in kg)	Approx. 1			

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