

MINI SPEC

SL 207

PRODUCT SPECIFICATION SHEET



Mini Spec

# SL 207



Multi Path  
Length



Table Top



LED Display



Cuvette

Visible Spectrophotometer covering Near UV- Visible and Near IR Spectral Region.

Microcontroller based Motorized Wavelength Drive.

Stable Single Beam Optics.



## Educational Institutions

### APPLICATIONS

For analysis of various metallic constituents in

### SALIENT FEATURES

- ▷ 2 position manual selectable Cuvette holder.
- ▷ Czerny Turner Type Monochromator.
- ▷ Absorbance, % Transmission & Concentration can be measured.
- ▷ Compact, Modular & Ergonomically Design.
- ▷ Single Standard used for Quantitative Estimation.

### APPLICATIONS

- ▷ For any Spectrophotometric or Colorimetric measurement where applications are required.
- ▷ Micronutrients like N, P, K, S, Ca, Mg, Zn, B, Mo, etc., in Agricultural soil, Plants etc.
- ▷ Organic compounds in Biological matter.
- ▷ Glucose, Fructose, Carbohydrates, Proteins etc., in Foods.
- ▷ Edible Dyes, Alcohols etc., in Beverages.
- ▷ Purity of constituents in Pharmaceuticals.
- ▷ Toxic elements like Cadmium, Lead and Mercury etc., in Effluents.
- ▷ Constituents in compositions used in Metallurgy, Fertilizer, Pesticide, Chemical, Petrochemical, Steel, Cement, Glass & Other Industries.
- ▷ Constituents of Biological Matrices.



Soil



Agriculture



Pharmaceutical



MicroNutrients



Chemical



Pesticide



Academic



Metals



Fertilizer



Cement



Dyes



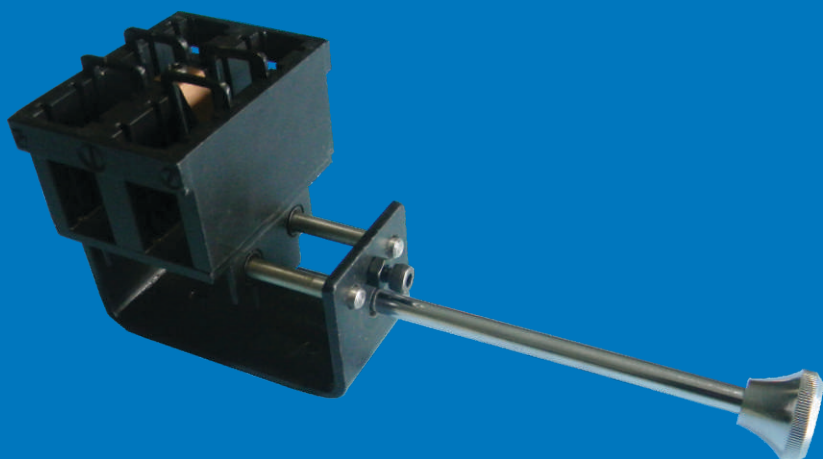
Food &  
Beverages



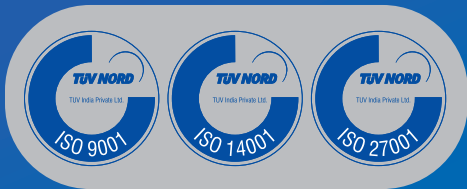
Glass

## SPECIFICATIONS

SPECTRAL		PHOTOMETRIC			LIGHT SOURCE	
Range	335 to 1000 nm	Range	0 to 1.999 Abs		Tungsten (W) Halogen Lamp	
Bandwidth	5 nm	Accuracy	± 0.050 Abs at 1.0 Abs			
Readability	1 nm	Repeatability	± 0.010 Abs		DETECTOR	
Accuracy	± 1 nm	Stability (Baseline)	± 0.010 Abs/hr. after 2 hour warm up		Silicon Photo Diode	
Repeatability	± 1 nm	Stray Light	<0.5 % T at 340 nm			
MONOCHROMATOR		Readability	%T	0.1		
Czerny - Turner type with 600 lines/mm Ruled Grating			Abs	0.001		
			Conc.	1 Unit		
DATA PRESENTATION					ACCESSORIES SUPPLIED	
Wavelength	4 digit 7 segment LED of 12.7mm height				With Instrument	10 mm Path length Cuvettes - 2 nos.
Photometric	3½ digit 7 segment LED of 12.7mm height				At extra Cost	Multi Path length Cuvette holder, 10 mm, 20 mm, 40 mm and 50 mm Path length Cuvettes.
CONTROL						
Potentiometer adjustments for			0%T, 100% T, Con.			
Push Button selection for displaying			%T/Abs/Con.			
Tactile switch selection for			Wavelength			
SAMPLE ATTACHMENT						
Standard	Manual Operated holder with 2 position for 10mm Path Length Cuvette.					
Optional	Manual Operated holder with 2 position for multi Path Length Cuvettes.					
PHYSICAL DIMENSIONS						
Size (WxDxH) in mm				420 x 315 x 135		
Weight (in kg)				Approx. 9		
POWER REQUIREMENT						
90-260 V AC, 50-60 Hz, 1ϕ, 60 VA Max.						



Multi path length cuvette holder (optional)



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Specifications are subject to change as a process of continual development.

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## ELICO Ltd

B-90, A.P.I.E., Sanathnagar,  
Hyderabad 500 018, A.P., India

tel +91 40 44451234

fax +91 40 23771639

[elico@elico.co](mailto:elico@elico.co)

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+91 79 26565402	+91 80 23343470	+91 755 2460817	+91 44 28361949	+91 484 2536380	+91 11 23678736	+91 9433065156	+91 40 23777999	+91 33 32971135	+91 9971092539	+91 22 24110402