

SL 207

PRODUCT SPECIFICATION SHEET

Mini Spec



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.

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.



Educational Institutions

APPLICATIONS

For analysis of various metallic constituents in



Soil



Agriculture



Pharmaceutical



MicroNutrients



Chemical



Pesticide



Academic



Metals



Fertilizer



Cement



Dyes



Food & Beverages



Glass

SPECIFICATIONS

SPECTRAL

Range	335 to 1000 nm
Bandwidth	5 nm
Readability	1 nm
Accuracy	± 1 nm
Repeatability	± 1 nm

MONOCHROMATOR

Czerny - Turner type with 600 lines/mm Ruled Grating

PHOTOMETRIC

Range	0 to 1.999 Abs	
Accuracy	± 0.050 Abs at 1.0 Abs	
Repeatability	± 0.010 Abs	
Stability (Baseline)	± 0.010 Abs/hr. after 2 hour warm up	
Stray Light	<0.5 % T at 340 nm	
Readability	%T	0.1
	Abs	0.001
	Conc.	1 Unit

LIGHT SOURCE

Tungsten (W) Halogen Lamp

DETECTOR

Silicon Photo Diode

DATA PRESENTATION

Wavelength	4 digit 7 segment LED of 12.7mm height
Photometric	3½ digit 7 segment LED of 12.7mm height

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.

ACCESSORIES SUPPLIED

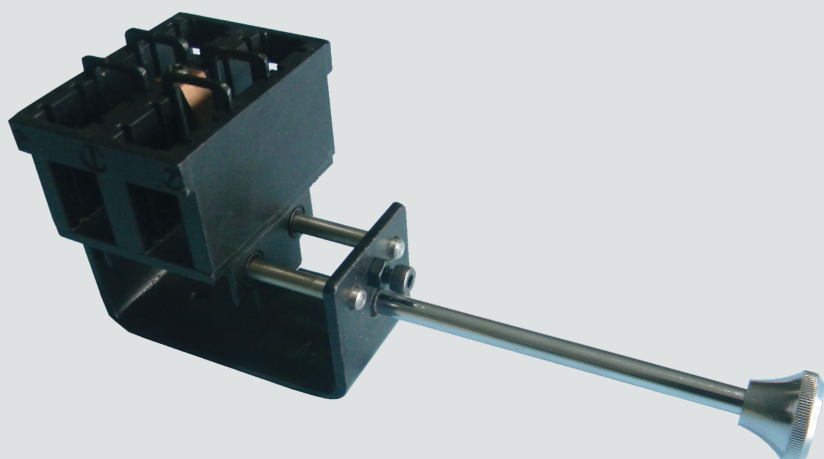
With Instrument	10 mm Path length Cuvettes - 2 nos.
At extra Cost	Multi Path length Cuvette holder, 10 mm, 20 mm, 40 mm and 50 mm Path length Cuvettes.

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)

Celebrating 60 years
of our Journey



www.elico.co/60years



www.elico.co

ELICO®

An ISO 9001:2018 | 14001 | 27001 Certified Company

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

Tel +91 40 44451234 Fax +91 40 23771639 info@elico.co

Ahmedabad

ahm@elico.co
+91 98241 75321

Bengaluru

blr@elico.co
+91 99000 28741

Bhopal

bpl@elico.co
+91 99930 96876

Bhubaneswar

bbr@elico.co
+91 99371 12105

Chennai

chn@elico.co
+91 98402 65797

Cochin

kel@elico.co
+91 81291 84400

Delhi

del@elico.co
+91 98710 06104

Guwahati

gau@elico.co
+91 91211 77451

Hyderabad

hyd@elico.co
+91 99896 25457

Kolkata

kol@elico.co
+91 91211 77452

Lucknow

lku@elico.co
+91 91980 01666

Mumbai

mum@elico.co
+91 77100 96111

Patna

pat@elico.co
+91 91211 77450

Visakhapatnam

vtz@elico.co
+91 99899 94532

