



NEW

SALIENT FEATURES AND BENEFITS

- Smallest form factor double beam spectrophotometer with a high-resolution bandwidth
- Comes with automatic wavelength calibration, programmable wavelength for lamp change over
- Menu driven microprocessor based software makes the stand alone unit user friendly.
- Stand alone unit offers an advanced technology with data processing features for scanning discrete wavelength, concentration determination by standards and μ -factor method, time scan with minimum time interval of 1.0 sec, auto-zero facility, self check and self diagnostic modes.
- PC compatible through USB
- Software is 21 CFR Part 11 compliant with password method protection; Instrument Log Book etc. cGLP compliance is addressed.

SPECIFICATIONS

PARAMETER

SPECTRAL	
Range	190 to 1100 nm
	SL 191 SL 210
Bandwidth	0.8 nm 1.8 nm
DETECTOR	
	Wide Range Photo Multiplier Tube Wide Range Photodiode
PHOTOMETRIC	
System	Double beam optics
Range	± 3.000 Abs
Repeatability	± 0.002 Abs at 1.0 Abs
Readability	%T 0.01
	Abs 0.0001
LIGHT SOURCE	
	Deuterium Lamp (D ₂) & Tungsten (W) Halogen Lamp
MONOCHROMATOR	
	Concave holographic grating with 1200 lines/mm
CONTROL	
	Microprocessor and Microcontroller (Computer-Optional)
DATA PRESENTATION	
Display	4 line 20 character Dot matrix backlight LCD module
Hard Copy	On Printer (Centronics)
PC CONNECTIVITY	
	USB Interface
SAMPLE ATTACHMENT	
Standard	Fixed 10mm path holders for Reference & Sample
Optional	Fixed multiple cell holders for Reference & Sample accommodating 10 to 100 mm cuvettes
	Fixed cell holder for Reference & 6 position motorized 10 mm path cell holder for sample
	Fixed cell holder to accommodate microcuvettes

* For detailed specifications contact ELICO Corporate office / Branches

* Specifications subject to change due to continual development

APPLICATIONS

- This Instrument finds place for any spectrophotometric or colorimetric measurement where applications require very high-resolution bandwidth and cGLP compliance is mandatory.
- Micronutrients like N, P, K, S, Ca, Mg, Zn, Cu, 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, Mercury, Arsenic and Mercury etc., in Effluents.
- Constituents in compositions used in Metallurgy, Fertilizer, Pesticide, Chemical, Petro Chemical, Steel, Cement, Glass & Other Industries.
- Life science applications