



SL 159



SL 150

SALIENT FEATURES AND BENEFITS

SL 159

- Scanning UV-Visible Spectrophotometer
- Microprocessor based with Printer Interface
- Optional PC compatibility with RS 232C Interface
- Automatic 6 position cuvette holder for 10mm path length cuvettes
- **OPTIONAL : 21 CFR PART 11 Compliant Software**

SL 150

- Microcontroller based wavelength selection
- Stable single beam optics
- Simple selection of four position sample holder
- Accommodates cuvettes of upto 50 mm path length

APPLICATIONS

In determination of

- Nutrients like N, P, K, S, Ca, Mg, Zn, B, Mo etc., in Agricultural Soil, Plant 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, Cd, Pb, Hg etc., In Effluents
- Constituents in composition used in Metallurgy, Fertilizer, Pesticide, Chemical, Petrochemical, Steel, Cement, Glass & Other Industries.

SPECIFICATIONS

PARAMETER

SPECTRAL		SL 159	SL 150
Range	190 to 1100 nm		
Bandwidth	2 nm		
PHOTOMETRIC		SL 159	SL 150
Range	± 2.5 Abs		0 to 1.999 Abs.
Repeatability	± 0.003 Abs. at 1.0 Abs.		± 0.002 Abs. at 1.0 Abs.
Stray light	< 1%T at 200 nm with KCl 12 g/L		> 2.000 Abs at 200 nm with 1.2% KCl
LIGHT SOURCE		Deuterium (D ₂) & Tungsten (W) Halogen Lamps	
MONOCHROMATOR		Czerny - Turner type with 1200 lines/mm Holographic grating	
DETECTOR		Wide Range Photodiode	

* For detailed specifications contact ELICO Corporate office / Branches

* Specifications subject to change due to continual development