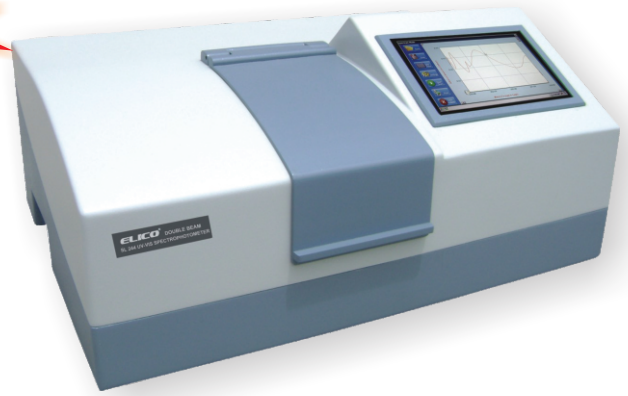


**SALIENT FEATURES AND BENEFITS**

- 7" HIGH RESOLUTION TOUCH SCREEN LCD COLOR GRAPHICAL DISPLAY
- SUPPORTS USB PEN DRIVE TO STORE / RETRIEVE MASS SPECTRAL DATA
- Built-In Windows Based PC Control
- Smallest form factor double beam spectrophotometer with a high-resolution bandwidth
- Built-in advanced data processing capabilities 4<sup>th</sup> order derivative spectra, overlay of maximum ten spectra, peak picking facilities, % concentration mode, auto-zero facility, spectra zooming, smoothening, data saving and printer
- Supports USB Printing with PCL class Printers
- Networking Connectivity Through TCP/IP Interface



**BUILT-IN  
WINDOWS BASED PC**

**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

**SPECTROPHOTOMETRY**

**SPECIFICATIONS**

**PARAMETER**

| <b>SPECTRAL</b>   |  |  |                       |
|---|--|--|-----------------------|
| Range   | 190 to 1100 nm   |  |                       |
|   | <b>SL 244</b>  | <b>SL 218</b>  |                       |
| Bandwidth   | 0.8 nm   | 1.8 nm   |                       |
| <b>DETECTOR</b>   |  | Wide Range Photo Multiplier Tube                             | Wide Range Photodiode |
| <b>PHOTOMETRIC</b>  |  |  |                       |
| System  | Double beam optics   |  |                       |
| Range   | ± 3.000 Abs  |  |                       |
| Repeatability   | ± 0.002 Abs at 1.0 Abs   |  |                       |
| Readability   | %T 0.01  | Abs 0.0001   |                       |
| <b>LIGHT SOURCE</b>   |  | Deuterium Lamp (D <sub>2</sub> ) & Tungsten (W) Halogen Lamp |                       |
| <b>MONOCHROMATOR</b>  |  | Concave holographic grating with 1200 lines/mm               |                       |
| <b>CONTROL</b>  |  | Built-in Windows Based PC                                    |                       |
| <b>DATA PRESENTATION</b>  |  |  |                       |
| Display   | 7" (800 x 480) High Resolution Graphical Display   |  |                       |
| Hard Copy   | On Printer (USB Interface)   |  |                       |
| Soft Copy   | Mass Data Storage Through USB Pen Drive  |  |                       |
| <b>SAMPLE ATTACHMENT</b>  |  |  |                       |
| 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         |  |  |                       |