



SYSTRONICS (INDIA) LIMITED

- **STANDALONE AND PC OPERATED INSTRUMENT**
- ▶ **4 LINE 20 CHAR LCD FOR STANDALONE OPERATION WITH HELP OF 18 FUNCTIONAL KEYBOARD**
- **SUPPORT WINDOWS 10 OR HIGHER VERSION (PC CONTROL SIDE)**
- **SEPARATE LOGIN FOR ADMINISTRATOR AND USER (PC CONTROL SIDE)**
- **SUPPORT UP TO FIVE DIFFERENT USER LOGIN (PC CONTROL SIDE)**
- **AUDIT TRAIL FUNCTION (PC CONTROL SIDE)**
- **SPECIAL PROVISION FOR NITRATE AND FLUORIDE ANALYSIS (PC CONTROL SIDE)**
- **FIVE AUTOMATIC POSITIONING SAMPLE HOLDERS (FOR 10MM PATH LENGTH CUVETTE)**
- **SUPPORT ALL PRINTERS SUPPORTING WINDOWS 10 OR HIGHER VERSION (PC CONTROL SIDE) & ON STANDALONE MODE SUPPORT 80 COLUMN DOT MATRIX PRINTER**
- **1 NM BANDWIDTH**
- **WAVELENGTH RANGE 200 NM TO 1100 NM**
- **%T, ABS, CONCENTRATION (BY K-FACTOR, BY STANDARD, OR BY SAVED STANDARD), DNA AND PROTEIN ANALYSIS, MULTICOMPONENT ANALYSIS, FLUORIDE ANALYSIS, & NITRATE ANALYSIS,**
- **AUTOMATIC LAMP SELECTION**
- **AUTOMATIC SAMPLE POSITION**
- **AUTOMATIC STRAY LIGHT CORRECTION**
- **AUTOMATIC DARK CORRECTION**
- **AUTOMATIC WAVELENGTH SELECTION AND ORDER CUT-OFF FILTER SELECTION**
- **SUPPORT 20MM/40MM/50MM/100MM PATHLENGTHS (OPTIONAL)**

UV-VIS SPECTROPHOTOMETER 118 (1NM)

(STANDALONE AND PC CONTROL)



REGISTERED OFFICE / HEAD OFFICE

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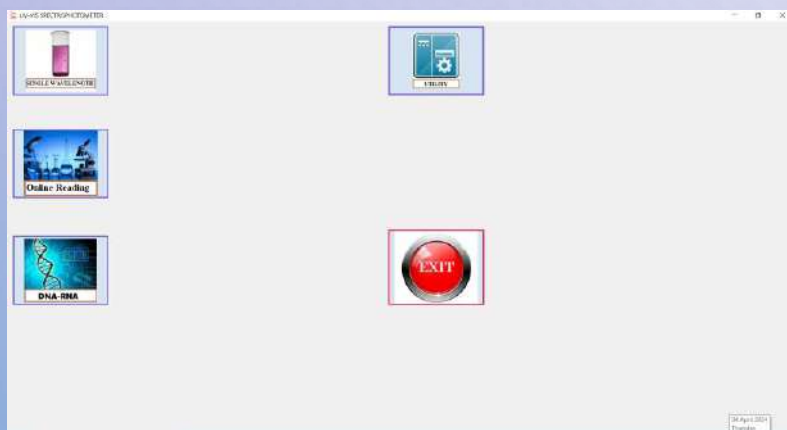
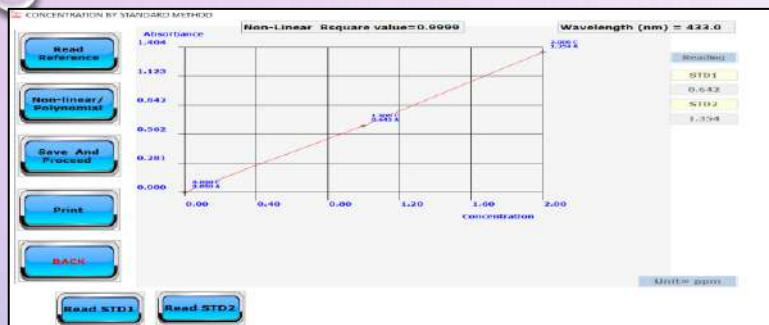
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UV-VIS SPECTROPHOTOMETER 118



Parameter	Specification
Type	Uv-Vis Spectrophotometer- Non Scanning instrument
Source	Deuterium lamp and tungsten halogen lamp
Detector	One-Photodiode
Grating	Holographic diffraction Grating -1200mm lines/mm
Automatic function	a) Automatic lamp section b) Automatic wavelength selection, filter selection c) Automatic Dark correction d) Automatic Cuvette Selection- Five position
Range of operation	Wavelength 200 nm to 1100nm Photometric Absorbance Up to + 4.0 Abs Transmittance 0 to 100 %T
Bandwidth	1.0 nm
Resolution	0.1 nm, 0.001 Abs & 0.1 %T
Measurement mode	%T, Abs, Concentration (By K-factor, BY standard, or BY saved Standard), DNA and Protein analysis, Multicomponent analysis, Fluoride analysis, & Nitrate analysis,
Path length	Default 10 mm path length, compatible with 20 mm, 40 mm, 50 mm & 100 mm
Accuracy	Wavelength ± 0.5 nm Absorbance ± 0.005 Abs Transmittance $\pm 0.5\%T$
Display	In-built Display 4 LINE 20 CHAR Alpha Numeric LCD
Operating system	Windows 10 or Higher
Power supply	230 V $\pm$ 20 volt and 50Hz
Operating temperature	8 – 48 degree Celsius
Operating humidity	40 to 85 %
Accessories	2 number cuvette, pen drive, USB cable, Manuals
Password Protection	Yes,
Administrator and User Login	Yes
Audit Trail	Yes
Provision for organization name, Chemist name & Instrument ID	Yes
Inbuilt Debug Software	Yes