



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 190 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, SPECTRUM SCAN AND TIME SCAN**
- **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 117 (1NM)

(STANDALONE AND PC CONTROL)



REGISTERED OFFICE / HEAD OFFICE

B/116-129, 1st floor, Supath-II Complex, Nr.Juna Wadaj
Bus Terminus, Ashram Road,
Ahmedabad - 380013 Gujarat (India)

FACTORY

89-92, Naroda Industrial Area, Naroda
Ahmedabad - 382330 , Gujarat (India)

Email : sales@systronicsindia.com

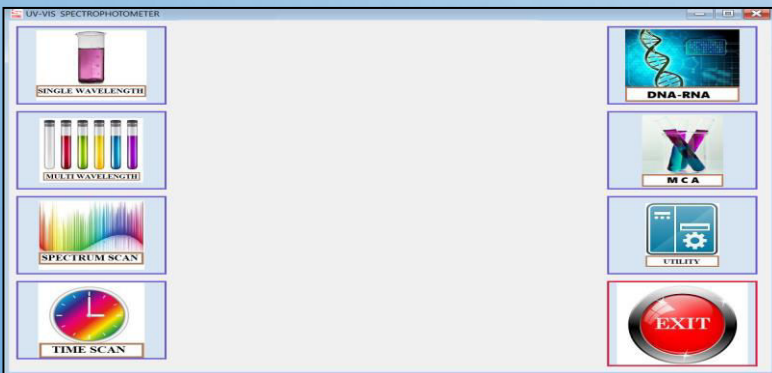
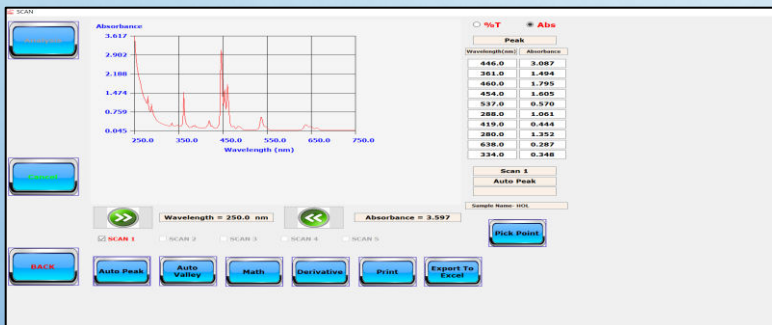
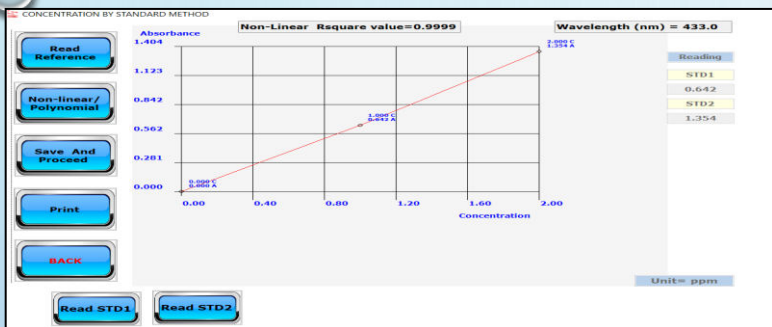
adm@systronicsindia.com

Phone : 079-27556077 , 079-27553589



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UV-VIS SPECTROPHOTOMETER 117



Parameter	Specification
Type	Uv-Vis Spectrophotometer
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 190 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, Spectrum scan And Time Scan
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 ± 0.5%T
Display	In-built Display 4 LINE 20 CHAR Alpha Numeric LCD
Operating system	Windows 10 or Higher
Power supply	230 V± 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