



Visible Double Beam Spectrophotometer - 1203

Bandwidth - 5 nm



SALIENT FEATURES

- Double Beam Optics
- Online Measurements
- Auto Wavelength & Base Line Correction
- Save / Recall Facility for Data / Test

SYSTRONICS (INDIA) LIMITED

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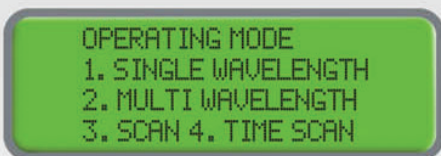
MANUFACTURERS OF ELECTRONIC INSTRUMENTS AND SCIENTIFIC EQUIPMENTS.

BRANCH ADDRESS :

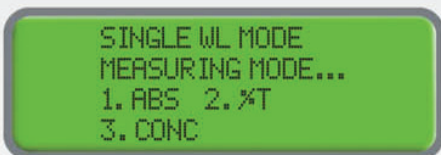
BRANCHES AT : BENGALURU, BHOPAL, BHUBANESHWAR,
CHANDIGARH, CHENNAI, GUWAHATI, HYDERABAD, JAIPUR, KOLKATA,
LUCKNOW, MUMBAI, NEW DELHI, PATNA & THIRUVANANTHAPURAM.

SYSTRONICS VISIBLE DOUBLE BEAM SPECTROPHOTOMETER-1203 is a versatile visible double beam scanning instrument, having all processing facility like single wavelength, multi wavelength, scanning etc. This instrument offers outstanding performance in their ability to provide VIS spectral analysis of wide ranging samples, including Organic & Inorganic compound, Power Sectors, Industrial applications and R & D.

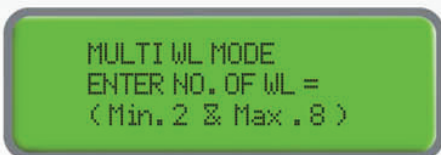
EASY MENU DRIVEN OPERATION



Offers 4 operating modes.



Provides 3 measuring modes.



Facilitates menu driven operation.



SPECIFICATIONS

WAVELENGTH

Range : 340 to 999 nm
 Accuracy : ± 2 nm
 Readout : 1 nm per step
 Bandwidth : 5 nm

PHOTOMETRIC

Range : ± 2.5 Abs
 Accuracy : ± 0.005 Abs at 1.0 Abs (with NIST filter)

Repeatability : ± 0.005 Abs
 Resolution : 0.1%T, 0.001Abs

Display : 4 Line 20 Ch. LCD

Drift : ± 0.003 Abs / hour at 500 nm

Baseline Flatness : ± 0.005 Abs

Scan Speed : Slow, Medium & Fast

Grating : 600 lines/mm

Source : Tungsten halogen lamp

Detector : 2-Silicon Photodiode

Sample Holder : One (10 mm) fixed for Reference & Sample cuvette holder

Minimum Volume : 1 ml in 4 ml cuvette with cell riser

Operating Mode : Single wavelength, Multi wavelength (Max 8), Spectrum scan and Time scan

Measuring Mode : Absorbance, % Transmittance and Concentration (with by factor and by standard curve fitting)

K-Factor Range : 0.100 to 9999 with floating decimal point

Conc .Range : 0.100 to 9999 with floating decimal point

Data Processing : Peak pick/Valley picks (6 points) Point picks (8 point), First derivative, Data saving facility (Four user defined files for each mode) Test saving facility (Four user defined files for each mode)

Stray Light : $< 0.3\%$ T at 370 nm

Printer Port : Epson compatible 80 column Dot Matrix

RS232 Port : PC Link data transfer

Power : 230 V $\pm 10\%$, 50 Hz

Dimension : 450(W) X 360(D) X 130(H) mm

Weight : 9 Kg (Approx)

Accessories : Two 10 mm glass cuvette

Optional Accessories

- PC link software
- Epson compatible D. M. Printer
- Multi cuvette holders for 20/40/50 mm rectangular cuvette (Factory Installed)

*Technical Specifications, Appearance & model number are subject to change without prior notice in keeping up with the state of art.