

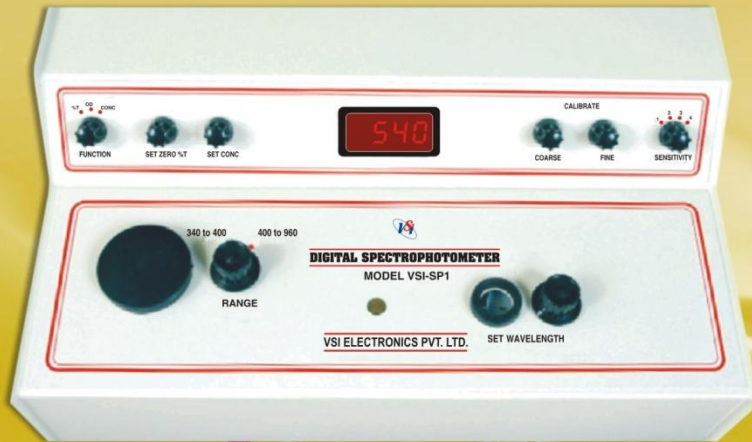


making Quality
more Affordable

(An ISO 9001:2008 Certified Company)

Digital Spectrophotometers

Versatile, Rugged, Economical, Reliable, Accurate & Easy to Operate Instruments to Determine Absorbance, % Transmission and Concentration of Liquids.



VSI-SP1



VSI-SP2

- ❖ Range 340 to 960 nm.
- ❖ Wavelength Resolution 5nm. (VSI-SP1)
- ❖ Wavelength Resolution 1nm. (VSI-SP2)
- ❖ Dual Digital Display for Wavelength & Data (VSI-SP2)
- ❖ Highly Stable & Accurate
- ❖ Direct Concentration Facility

VSI Electronics Pvt. Ltd.

DIGITAL SPECTROPHOTOMETER

Digital Spectrophotometer Model : 'VSI-SP1 and 'VSI-SP2' are economical, reliable, rugged and most accurate systems for spectrophotometric analysis of any concentration. They operate at a wavelength range of 340 to 960nm. The output or results are available on 3½ digit LED display in terms of Optical Density, Percentage Transmission and Concentration. The wavelength is displayed on a 3 digit LED display (in model 'VSI-SP2').

Highly advanced solid state I.C. Technology has made its circuit very accurate and stable. Rotating disc makes the calibration extremely simple.

Technical Specifications

	Model : VSI-SP1	Model : VSI-SP2
RANGE	340 to 960 nm.	340 to 960 nm.
RESOLUTION	% Transmission : 0.1% Absorbance : 0.001 Concentration : 001	% Transmission : 0.1% Absorbance : 0.001 Concentration : 001
OUTPUT	%Transmission : 0 to 100% Absorbance : 0 to 1.999 Concentration : 0 to 1999	%Transmission : 0 to 100% Absorbance : 0 to 1.999 Concentration : 0 to 1999
DISPLAY	3½ digit LED display for results	(1) : 3½ digit LED display for results (2) : 3 digit LED display for wavelength
MONOCHROMATOR	600 lines/mm. grating	600 lines/mm. grating
DETECTOR	Silicon Photo diode	Silicon Photo diode
LIGHT SOURCE	6V, 1 Amp. Vertical Tungston Halogen Lamp	6V, 1 Amp. Vertical Tungston Halogen Lamp
PATH LENGTH	10 mm.	10 mm.
SPECTRAL BANDWIDTH	10 nm.	5 nm.
WAVELENGTH RESOLUTION	5nm.	1nm.
WAVELENGTH ACCURACY	± 2.5 nm.	± 1 nm.
REPEATABILITY	± 2 nm.	± 1 nm.
SAMPLE SYSTEM	12mm. dia clear glass matched test tubes	12mm. dia clear glass matched test tubes
OPERATING TEMP.	5 to 45°C	5 to 45°C
POWER SUPPLY	230V, ± 10%, 50 Hz AC	230V, ± 10%, 50 Hz AC
STANDARD ACCESSORIES	Matched Test Tubes - 5 Nos. and Instruction manual - 1 No.	

Specifications & designs are subject to change due to continuous R&D

Manufactured by :

VSI ELECTRONICS PVT. LTD.

(An ISO 9001:2008 Certified Company)

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Authorised Dealer :