Email : sales@scilabexport.com
Phone: +91-7082934803

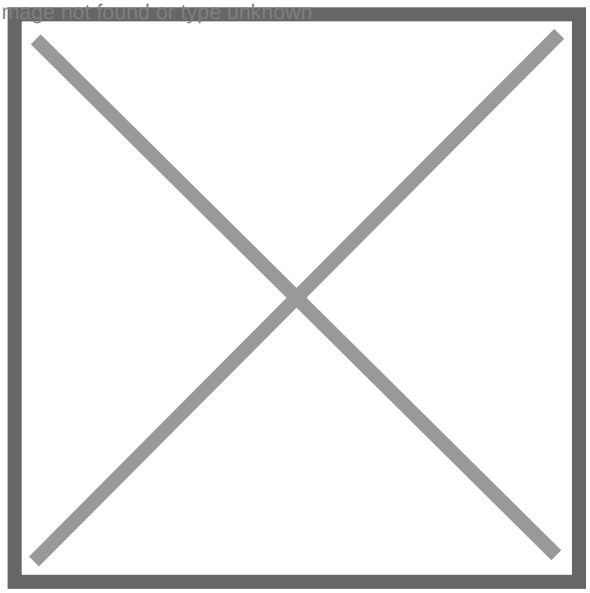
Product Name :

Ultra Violet/Visible (UV/VIS) Spectrophotometer

Product Code :

SCI-287/03

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Science Lab
Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Ultra Violet/Visible (UV/VIS) Spectrophotometer (Product Code: SCI-287/03) is a true double-beam instrument used to measure sample absorbance across 190–1100 nm for quantitative and qualitative analysis in chemistry, biochemistry, pharmaceutical and environmental laboratories. It works at a fixed 1 nm bandwidth with silicon photodiode detectors, and its integrated 6-cell changer and USB data saving make it one of the more productive analytical lab instruments for routine work. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a laboratory instruments supplier in India.

Specifications

Parameter	Detail
Optical system	True double beam (dual-beam optical geometry)
Spectral bandwidth	1 nm, fixed, for reproducible results
Wavelength range	190–1100 nm
Detectors	Silicon photodiode
Cell changer	Integrated, 6 cells
Data storage	Save data to a USB memory device
Software	Supplied with software
Supply scope	Listed as supply and fit; installation details are confirmed in the quotation
Product code	SCI-287/03
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the UV/VIS Spectrophotometer Used For?

A UV visible spectrophotometer measures how much light a solution absorbs at each wavelength, so concentrations can be calculated from a calibration line using the Beer–Lambert law. Typical work includes nucleic acid and protein estimation in the UV region, enzyme kinetics, colour-reaction tests for nitrate or phosphate in water, and recording absorption spectra to find the wavelength of maximum absorbance. It is also a staple among pharma testing instruments for assay and dissolution samples.

Because the true double-beam design measures sample and reference beams together, lamp drift and solvent absorbance are compensated, which keeps baselines steady during long scans. Use quartz cells for UV measurements, as glass and ordinary plastics absorb UV light; let the lamps warm up and run a solvent blank before measuring. Loading the blank, standards and samples into the 6-cell changer lets a full calibration series run in one sequence.

What to Specify When Ordering

- Cells: quartz or glass, and how many, as cells are not listed as included — ask us