Shimadzu UV-Vis-NIR Spectrophotometers

Shimadzu | SHM-UVVIS

Shimadzu UV-Vis and UV-Vis-NIR spectrophotometers, from the compact UV-1900i Plus for routine QC to the UV-3600i Plus covering 185–3300 nm for advanced materials characterisation. The spectroscopy portfolio also includes FTIR, fluorescence, and Raman instruments.

SPECIFICATIONS

UV-1900i Plus, Range	190–1100 nm (double-beam)
UV-1900i Plus, Bandwidth	1 nm
UV-2600i Plus, Range	185–900 nm standard (to 1400 nm with optional ISR-2600Plus integrating sphere)
UV-2600i Plus, Bandwidth	1 nm
UV-2700i Plus, Range	190–900 nm (double-beam)
UV-2700i Plus, Bandwidth	0.1 nm (variable)
UV-3600i Plus, Range	185–3300 nm (double-beam, 3 detectors)
UV-3600i Plus, Bandwidth	0.1 nm (variable)
Software	LabSolutions UV-Vis
Compliance	USP, EP, JP; 21 CFR Part 11 / ER/ES (optional)
Additional techniques	FTIR, fluorescence, Raman (separate instruments)

FEATURES

- UV-1900i Plus: double-beam, 190–1100 nm, compact benchtop
- UV-2600i Plus: double-beam, 185–900 nm standard (to 1400 nm with optional ISR-2600Plus integrating sphere)
- UV-2700i Plus: double-beam, 190–900 nm, high-resolution 0.1 nm bandwidth
- UV-3600i Plus: double-beam, 185–3300 nm, three-detector UV-Vis-NIR
- FTIR spectrophotometers (IRSpirit, IRTracer series) also available
- Fluorescence spectrophotometers and Raman spectrometers available
- LabSolutions UV-Vis and LabSolutions IR software
- Pharmacopoeia compliance (USP, EP, JP) on double-beam models
- 21 CFR Part 11 / ER/ES compliance packs available
- Extensive accessory range (integrating spheres, fibre optics, temperature control)

APPLICATIONS

- Pharmaceutical QC and pharmacopoeia compliance testing
- Materials science and thin film characterisation
- Environmental water quality analysis
- Academic research and teaching laboratories
- Life sciences and protein quantitation
- Colour measurement and quality control
- Chemical identification and purity testing
- Semiconductor and optical materials characterisation