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| Design of optics  Double-beam with sample and reference cuvette positions;  Application Focused Beam Geometry;  Type of Monochromator used may be specified  Light Source Xenon flash lamp Detector Dual silicon Photodiode  Accuracy±0.8 nm or higher (full range 190 to 1100 nm)±0.5 nm or higher (546.11 nm mercury line)  Wavelength RangeMin 190 nm– atleast a max of1100 nm  Scanning Speed<1 to 6000 nm/minResolution>1.5 (peak-to-valley ratio; toluene in hexane)  Repeatability≤0.1 nm (546.11 nm mercury line, SD of 10 measurements)  Spectral Bandwidth1 nm and 2 nm;  Data Intervals10, 5, 2, 1.0, 0.5, 0.2, 0.1 nmDisplay Range0.3 to 4.0 A Photometric Range  >3.5 A Accuracy – Instrument  0.5 A: ±0.004 A1A: ±0.006 A2A: ±0.010 AStray Light KCl, 198 nm: ≤1% TNaI, 220 nm: ≤0.05% TNaNO2,340 nm: <0.05% T  Drift (Stability)<0.0005 A/hr500 nm, 1.0 nm SBW, 1 hour warm-up  Noise0A: ≤0.00015 A1A: ≤0.00050 A2A: ≤0.00080 A260 nm, 1.0 nm SBW, RMS  Baseline Flatness ±0.0010 A200–800 nm, 1.0 nm SBW, smoothing  SoftwareAdvanced kinetics features including multi-stage measurement, temperature ramping and comprehensive data fitting options. Integrated calculations provide more data per measurement in Scan, Fixed and Quant, Provide details of the number of licenses  Computer and Printer  Latest version of OS compatible with the software, 500 GB HDD, 4GB RAM,  19 inch LCD or better  Power Requirement Suitable for operation in 220V AC, 50 Hz single phase supply  Accuracy – Instrument0.5 A: ±0.004 A1A: ±0.006 A2A: ±0.010 AStray Light  KCl, 198 nm: ≤1% TNaI, 220 nm: ≤0.05% TNaNO2,340 nm: <0.05% T  Drift (Stability)<0.0005 A/hr  500 nm, 1.0 nm SBW, 1 hour warm-up  Noise0A: ≤0.00015 A1A: ≤0.00050 A  2A: ≤0.00080 A260 nm, 1.0 nm SBW, RMS  Baseline Flatness ±0.0010 A200–800 nm, 1.0 nm SBW, smoothing  Software:  Advanced kinetics features including multi-stage measurement, temperature ramping and comprehensive data fitting options. Integrated calculations provide more data per measurement in Scan, Fixed and Quant, Provide details of the number of licenses  Computer and Printer  Latest version of OS compatible with the software, 500 GB HDD, 4GB RAM,  19 inch LCD or better  Power RequirementSuitable for operation in 220V AC, 50 Hz single phase supply  Integrating sphere60mm integrating sphere with Powder cell holder.Cuvette Holder,Holder for path length from 10mm to 50mm. |

***Technical Specification for UV-Vis Spectrophotometer- 1 No***