


Specifications for Double Beam UV-VIS Spectrophotometer

Microprocessor based UV-VIS Spectrophotometer with centrally controlled through PC with PC software supplied as standard USB connectivity and Windows interface

- True double beam optics with aberration corrected concave blazed holographic grating in Czerny – Turner mounting for high energy throughput and high quality mono-chromatic light:
- Wavelength range: 190 – 1100 nm
- Wavelength accuracy (nm): 1 nm or better
- Wavelength reproducibility (nm): ± 0.1 nm or better
- Photometric range (Abs): ± 4 Abs or better
- Photometric Accuracy: $< \pm 0.005$ Abs at 1 Abs
- Photometric Repeatability: $< \pm 0.0005$ Abs at 1 Abs
- Variable wavelength scanning speed: 1 to 3000 nm/min
- Source: High intensity Tungsten/Halogen and Deuterium lamp with automatic change over
- High sensitivity matched pair Silicon Photodiode detector
- Long Path Rectangular Cell Holder Holds two rectangular cells with an optical path length of 10, 20, 30, 50, 70 or 100 mm - 1 no
- Matched rectangular quartz cell of path length 10 mm: 5 pair; 20 mm, 50 mm, 100 mm : 2 pair each
- Ports for high speed PC and printer connectivity, data storage and transfer
- Guaranteed compliance with all Pharmacopoeia requirements
- 36 months warranty from the date of installation
- Branded PC with original OS with data acquisition software
- All the required technical specifications must be mentioned in printed literature of OEM.
- Company should have factory-trained engineer & preferably a service center in eastern region.
- 1 kVA online UPS
 - Numeric / APC / Powerone make
 - Digital LED display
 - Output Power Capacity: 800 watts / 1 kVA
 - Efficiency at full load : 85% or more
 - Output Voltage distortion: $< 3\%$
 - Load crest factor: 3:1
 - Leak-proof sealed Lead-Acid Battery with battery racks with 30 minute back up
 - 2 years replacement warranty

Enrich khy/13/9/19


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