

Technical Specifications of UV-VIS Spectrophotometer:-

- Optical design Double-beam with sample and reference cuvette positions with Czerny-Turner Monochromator
- Spectral Bandwidth-1 nm
- Light Source-Xenon Flash Lamp with three years' warranty
- Detector: Dual Silicon Photodiodes
- Wavelength range 190–1100 nm
- Wavelength Accuracy: ± 0.2 nm (541.9, 546.1 nm mercury lines),
 ± 0.5 nm (full range 190–1100 nm))
- Wavelength Repeatability: ≤ 0.01 nm (546.1 nm mercury line, SD of 10 measurements)
- Scanning Speed: < 1 to 6000 nm/min or better
- Photometric Range > 3.5 A or better
- Photometric Display Range -0.3 to 4.0 A or better
- Photometric Noise 0A: ≤ 0.00008 A
- Stray Light KCl, 198 nm: $\leq 40\%$ T
NaI, 220 nm: $\leq 0.027\%$ T
NaNO₂, 340 nm: $< 0.025\%$ T
- Baseline Flatness ± 0.0006 A or better
- A pair of standard quartz cuvette to be quoted. (3.5 ml ,10 mm path length)
- Suitable Branded PC & Laser Printer should be quoted.
- 2KVA UPS with 30 minutes back up
- Warranty: One year from the date of Installation
- The Service Support to be available from Guwahati & Kolkata
- Reference Customer base in North East: at least ten customers in North East with detailed contact address .