

#### Full Specification

|                             |                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------|
| Optical System              | Dual Beam                                                                                          |
| Spectral Band width         | Fixed 2.0nm (Slit)                                                                                 |
| Scan Speed                  | Selectable                                                                                         |
| Working Mode                | Embedded Touch Screen PC operating in Microsoft Windows 8 <sup>TM</sup>                            |
| Software Support            | UV/Win Software v 6.0 (Full GLP version available on request)                                      |
| Standard Functionality      | Photometric, Quantitative, Spectrum Scanning with 3D data representation and Kinetic measurements. |
| Wavelength Range            | 190 – 1100nm                                                                                       |
| Wavelength Accuracy         | ± 0.3nm (Automatic Wavelength Correction)                                                          |
| Wavelength Reproducibility  | 0.2nm                                                                                              |
| Stray Light                 | ≤ 0.05% T (220nm NaI, 340nm NaNo <sub>2</sub> )                                                    |
| Photometric mode            | Transmission, Absorption and Energy                                                                |
| Photometric Range           | -0.3 – 3.0 Abs<br>± 0.002Abs (0-0.5A)                                                              |
| Photometric Accuracy        | ± 0.004Abs (0.5 -1.0A)<br>± 0.3%T (0-100%T)<br>0.001Abs (0 – 0.5A)                                 |
| Photometric Reproducibility | 0.002Abs (0.5 – 1.0A)<br>0.15%T (0 – 100%T)                                                        |
| Baseline Flatness           | ± 0.0015Abs (190 – 1100nm)                                                                         |
| Baseline Stability          | 0.0008Abs/Hr (500nm, 0Abs, 2nm Spectral Bandwidth 2 hr warm up)                                    |
| Photometric Noise           | ± 0.001Abs (500nm,0Abs, 2nm Spectral Bandwidth)                                                    |
| Power Supply                | Switchable 120 – 230vAC 50/60Hz                                                                    |