

Specification of Genesys 180

- Optical Design: Double Beam
- Light Source: Xenon flash lamp with 3-years warranty and at least 7 years life
- Detector: Dual Silicon Photodiodes
- Wavelength Range: 190 –1100 nm
- Wavelength Accuracy: ± 0.5 nm
- Wavelength Reproducibility: $< \pm 0.02$ nm (546.1 nm mercury line, SD of 10 measurements)
- Spectral Bandwidth: 2 nm
- Data interval: 0.1 nm, 0.2 nm, 0.5 nm, 1 nm, 2 nm, 5 nm
- Photometric Range: -2A to +3.5A
- Photometric repeatability: ± 0.001 A at 1A
- Photometric Display: -3A to 5.0A
- Baseline Flatness: ± 0.001 0A, 200-800nm, 1.0nm SBW
- Noise: ≤ 0.0002 0A at 0A at 260 and 500 nm ≤ 0.0003 0A at 1A at 260 and 500 nm ≤ 0.0004 0A at 2A at 260 and 500 nm
- Drift : < 0.0005 A/H
- Baseline Flatness: ± 0.002 A
- Stray Light : $< 1.0\%$ T 198 nm (KCl) , $< 0.05\%$ T at 220 nm (NaI), $< 0.03\%$ T at 340 nm (NaNO₂)
- Display : 7 inch color touch screen, Tiltable, High definition, 800 × 1280 pixel
- Keypad: Touch screen
- Warranty: 3 Years
- Should be including 8-position cell changer as standard.
- Should be supply 1 KVA UPS battery backup with Instrument
- Should be Supply Branded Computer/ Laptop
- Software for Computer Control and off-line data analysis
- USB Memory Device
- A pair of Quartz cuvette with 10 mm path length and 3.5 ml volume
- Free of cost Installation ,Training and demonstration at site