

| | Brand | PERSEE | | Thermo | |
|-----------------------|------------------------------------|--|--|--|--|
| | Model Number | T6U | T6V | Spectronic 200 | Genesys 30 |
| Specifications | Optical System | Split beam | Split beam | Single beam | Single Beam |
| | Detector | Dual Photodiode | Dual Photodiode | 2048 CCD | Photodiode |
| | Light Source | D2 & Tungsten | Tungsten | Tungsten | Tungsten |
| | WL Range | 190~1100nm | 325~1100nm | 340~1000nm | 325~1100nm |
| | WL Accuracy | ±1.0nm | ±2.0nm | ±2.0nm | ±2.0nm |
| | WL Reproducibility | 0.2nm | 0.4nm | 1nm | 1nm |
| | Stray Light | 0.05%T | 0.1%T | 0.2%T | 0.1%T |
| | Photometric Accuracy | ±0.002A (0 - 0.5A) ±0.004A (0.5 - 1A) | ±0.002A (0 - 0.5A) ±0.004A (0.5 - 1A) | ±0.01A (@ 0.3A) ±0.05A (@ 1A) | ±0.002A (0 - 0.3A) 0.5% of (0.3-2.5A) |
| | Photometric Reproducibility | 0.001A (0 - 0.5A) 0.002A (0.5 - 1A) | 0.001A (0 - 0.5A) 0.002A (0.5 - 1A) | ±0.3%T @ 50%T | ±0.002A |
| | Bandwidth | 2nm | 2nm | 4nm | 5nm |
| | Stability | ≤0.001A/hr (500nm, 0Abs) 2hr warm up | ≤0.002A/hr (500nm, 0Abs) 2hr warm up | | 0.002A/hr |
| | Baseline flatness | ±0.002A (200~1000nm) | ±0.002A (200~1000nm) | | <0.003A |
| | Noise | ±0.001 Abs (500nm, p-p) 30min warm up | ±0.001 Abs (500nm, p-p) 30min warm up | | ≤0.001A at 0A/1A ≤0.002A at 2A |
| | Scanning Speed | 1400nm/min | 1400nm/min | 3000nm/min | 1200nm/min |
| | Slew Rate | 5000nm/min | 5000nm/min | | 11000nm/min |
| Interface | Keypad, Blue LCD & PC | Keypad, Digital Display & PC | Keypad, Color LCD & PC | Keypad, color LCD & PC,USB for communication and storgae | |
| Dimensions | 24*12*9 in | 24*12*9 in | 15 * 12 * 6 in | 14 * 16 * 8 in | |
| Weight | 24 lb | 24 lb | 12 lb | 17 lb | |
| Price | Price in USD | US\$3,599.00 | US\$1,999.00 | | Roughly about \$2.4k |