



Vis Array Spectrophotometer



- Simultaneous obtained of all spectra
- Integration time controlling using software
- Mathematical processing (Averaging, Sum, Smooth . . .)
- Time Monitoring of spectra
- Standard Wavelength calibration of spectrophotometer



Specifications of Array Spectrophotometer

| Optical Specifications | |
|----------------------------|---|
| Wavelength range | 380-800 nm |
| Straylight | < 0.03% |
| Resolution | < + 1.0 nm |
| Wavelength Accuracy | < ± 0.1 nm |
| Wavelength Reproducibility | < ± 0.02 nm for 10 consecutive scans (NIST 2034) |
| Photometric Accuracy | < ± 0.01 A at 440.0 465.0 590.0 635.0 nm(NIST 930e) |
| Photometric noise | <0.01 A 80 scan at 0 A, 500 nm |
| Photometric stability | <0.01 A/min at 0 A, 500 nm |
| Baseline flatness | <0.01A 0.5 second blank, 0.5 second scan at 0 A, 500 nm |
| Scan time | 2-1000 ms |
| Typical Scan Time | 0.05 s |
| Light Source | Halogen / Tungsten lamp |
| Detector | 1000 Multichannel |
| Physical Specifications | |
| Communication | USB 2 |
| Software | Windows XP , 7, 8 |
| Height × width × depth | 14 × 33 × 50 cm |
| Weight | 10 kg |
| Power | 220V AC 50/60 HZ |

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