

## Features:

- Color TFT screen
- Self-check system
- Auto Zero and Blank
- Sample compartment for different cell holders
- Saves the results
- Up to 200 methods & 100 standard curves can be stored
- Incl. PC-Software EMC-λ. Lambda (Wavelength Measurement, Spectrum Scan, Quantitative Measurement, Kinetic Measurement, DNA/RNA Measurement)
- Incl. EMCLAB Works Calibration Certificate

Magnetic Quick Change Cell Holder included



The 18S-UV combines the easy use of the S-series with more comprehensive features of the larger instruments. Wavelength scans and kinetic measurements can be performed directly with the instrument. The instrument's internal storage provides space for up to 100 standard curves and 200 methods.

| Model                     | EMC-18S-UV                                           |
|---------------------------|------------------------------------------------------|
| Wavelength Range          | 190-1100 nm                                          |
| Spectral Bandwidth        | 2 nm                                                 |
| Optical System            | Single Beam, grating 1200 lines/mm                   |
| Wavelength Accuracy       | ±0.5 nm                                              |
| Wavelength Repeatability  | 0.3 nm                                               |
| Photometric Accuracy      | ≤±0.5 % T or ±0.005A@1A                              |
| Photometric Range         | 0-200 % T, -0.3 - 3A 0-9999 conc.                    |
| Photometric Repeatability | ≤0.2 % T                                             |
| Photometric Mode          | T, A, C, F                                           |
| Stray Light               | 0.05 % T                                             |
| Stability                 | ±0.001A/h@500 nm                                     |
| Baseline Flatness         | ±0.001A (200-1000 nm)                                |
| Noise                     | 0.003A@500 nm                                        |
| Detector                  | Silicone Photodiode                                  |
| Display                   | TFT color screen                                     |
| Central beam height       | 15 mm                                                |
| Standard Cell Holder      | 4-position quick change cell holder 10x10 mm (p. 12) |
| Light Source              | Tungsten & Deuterium lamp                            |
| Output                    | USB port & Parallel port for printer                 |
| Power Requirement         | AC 85 V~265 V 50/60 Hz                               |
| Dimensions (LxWxH)        | 490 x 380 x 220 mm                                   |
| Weight                    | 11 kg                                                |
| Article No.               | EMC-80034                                            |