

# Thermomac

Double-Beam Spectrophotometer

UVS901

The Thermomac UVS901 Double-Beam Color Display Spectrophotometer enables measurements from 110 to 1900 nm with 0.1 nm wavelength accuracy.



Automatic wavelength adjustment, 0.2%T photometric accuracy, and 0.15%T photometric repeatability enable precise measurements.

The 7-inch LCD and color indicators enable easier, more controlled analysis.

### Technical Specifications

|                           |                                                                               |
|---------------------------|-------------------------------------------------------------------------------|
| Model                     | UVS901                                                                        |
| Optical System            | Double Beam - 1200 lines/mm                                                   |
| Wavelength Range          | 190-1100 nm                                                                   |
| Spectral Bandwidth        | 2 nm                                                                          |
| Wavelength Accuracy       | ±0.1 nm                                                                       |
| Wavelength Repeatability  | ≤ 0.1 nm                                                                      |
| Photometric Accuracy      | 0.2%T                                                                         |
| Photometric Repeatability | 0.15%T                                                                        |
| Photometric Range         | 0-200%T                                                                       |
| Stray Light               | ≤ 0.03%T                                                                      |
| Stability                 | ±0.0003 A                                                                     |
| Baseline Flatness         | ±0.001 A                                                                      |
| Output                    | USB Driver (RS232)                                                            |
| Noise                     | 0.0005 A                                                                      |
| Operating Modes           | T, A, C, E                                                                    |
| Scan Speed                | High, Medium, Low (Max. 3000 nm/min)                                          |
| Wavelength Setting        | Automatic                                                                     |
| Display                   | 7-inch TFT Color Display                                                      |
| Light Source              | Deuterium & Tungsten Lamps                                                    |
| Detector                  | Silicon Photodiode                                                            |
| Cuvette Holder            | 10 mm Two-Position Cell Holder                                                |
| Power                     | AC 220V/50Hz or AC 110V/60Hz                                                  |
| Dimensions                | 810 × 660 × 390 mm                                                            |
| Weight                    | 27 kg                                                                         |
| Accessories               | 4 × 10 mm Glass Cuvettes, 2 × 10 mm Quartz Cuvettes, Power Cable, User Manual |

