

SPECTROstar Omega



Microplate Reader with ultrafast UV/Vis Spectrometer



- Captures UV/Vis absorbance spectra from 220-850 nm down to a resolution of 1 nm
- Spectrum acquisition faster than 1 second per well possible
- Fully upgradeable to FLUOstar Omega or POLARstar Omega
- Up to two integrated reagent injectors
- Plate shaking, incubation up to 60°C and compatible for plate formats up to 1536-well
- New powerful data analysis software MARS

SPECTROstar Omega - Technical Specifications



Detection Modes	Absorbance - UV/Vis spectral scanning or standard
Measurement Modes	Endpoint and kinetic measurements
	Well scanning
Light Source	High-energy xenon flash lamp
Detector	Spectrometer with CCD
Spectral Range	220 to 850 nm
Sensitivity	Dynamic range: $\pm 0.000 - 4.000$ OD
	Reproducibility: ± 0.005 OD for 0 - 2 OD range
Microplate Formats	Up to 384-well
Reading Speed	Dependent on test definition
Temperature Control	Incubation range from ambient + 5°C to 45°C (option: 60°C)
	Temperature stability 0.2°C
	Temperature gradient < 0.5°C
Shaking	Linear, orbital, and double - orbital
	Adjustable time and amplitude
Dimensions	Width 44 cm, length 48 cm and height 29 cm. Weight 30 kg
Stacker II	For automatic plate handling a stacker is available with magazines for up to 50 plates (6-384 well plate formats) and barcode reader with flexible barcode handling



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