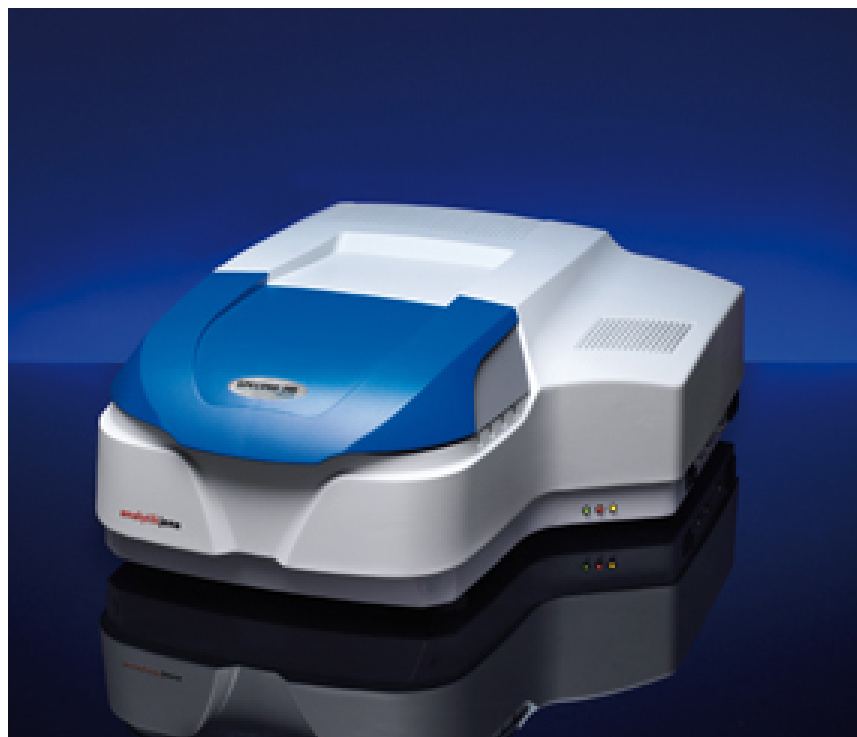


UV/Vis Spectrophotometer

SPECORD[®] PLUS



	SPECORD® 250 PLUS	SPECORD® 210 PLUS	SPECORD® 200 PLUS	SPECORD® 50 PLUS
	Double beam spectrophotometer with variable spectral resolution, double monochromator and Cooled Double Detection	Double beam spectrophotometer with variable spectral resolution and Cooled Double Detection	Double beam spectrophotometer with fixed spectral resolution	Double beam spectrophotometer with Split Beam Technology (SBT)
Features	<ul style="list-style-type: none"> ▪ Outstanding long-term stability, excellent signal-to-noise ratio and best energy throughput ▪ Holmium oxide filter for automatic wavelength calibration ▪ Quartz coated optics ▪ Highly precise imaging conditions due to aspheric optics ▪ Second cell position for measuring turbid samples 			
	<ul style="list-style-type: none"> ▪ Possibility to integrate in diverse dissolution systems (SPECORD® 200/210 PLUS dissolution) 			
Mode	Energy, Absorption, Transmission, Reflectance			
Sample compartment dimensions (W x H x D)	364 x 185 x 260 mm			
Software	WinASPECT® PLUS, including specific software modules and an extensive method collection			
Wavelength range	190–1100 nm			
Spectral bandwidth	variable 0.2/0.5/1/2/4 nm		fix 1.4 nm	
Scanning speed	12000 nm/min			
Instrument dimensions (W x H x D)	590 x 260 x 690 mm			
Technical standards	<ul style="list-style-type: none"> ▪ Tested and designed to be compliant with the legal requirements for laboratory instrumentation and developed and produced in compliance with ISO 9001 ▪ SPECORD® PLUS series instruments are certified to comply with the requirements of the EMC standards and bear the CE Mark 			

	SPECORD® 250 PLUS	SPECORD® 210 PLUS	SPECORD® 200 PLUS	SPECORD® 50 PLUS
Photometric display	Unlimited			
Photometric range	-4 A to 4 A	-3 A to 3 A		
Spectral bandwidth	variable 0.5/1/2/4 nm		fix 1.4 nm	
UV-Resolution (toluene-hexane)	≥ 2.3*		≥ 1.6	
Wavelength accuracy (Deuterium line at 656 nm)	± 0.1 nm			
Wavelength reproducibility (with holmium oxide filter*)	≤ 0.02 nm			
Photometric accuracy	<ul style="list-style-type: none"> ▪ VIS at 546 nm with Neutral glass filter Hellma F4** ± 0.003 A ▪ UV with Potassium dichromate according Ph.Eur. ± 0.01 A 			
Photometric reproducibility	≤ 0.0005 A			
Stray light	<i>198 nm (KCl Merck 1.08164.0001):</i>			
	≤ 0.03 % T			
	<i>220 nm (NaI):</i>			
	≤ 0.005 % T	≤ 0.03 % T		
	<i>240 nm (NaI):</i>			
	≤ 0.005 % T	≤ 0.03 % T		
	<i>340 nm (NaNO₂):</i>			
≤ 0.005 % T	≤ 0.01 % T	≤ 0.02 % T		
Baseline stability at 500 nm	≤ 0.0001 (RMS)			
Longterm stability at 500 nm	± 0.0005 A/h			
Scanning speed	12000 nm/min			

* With slit width 1 nm, 20 degree.

** Summary of the tolerances from the filters and spectrometers.



Subject to changes in design and scope of delivery as well as further technical development!