

3	Nano-LC System, Pipettierroboter und Steuerungsrechner	2001	1	funktionsbereit
S/N 98013				
Ultimate Solvent Organizer				
Power Requirements	90 - 260 V, 47-63 Hz, 250 VA			
Fuse	Slow-Blow, 2 A			
Dimensions (WxDxH)	250mm (10 in) x 400mm (16 in) x 530mm (21 in)			
Weight	24,5kg (53,5 lb)			
He Supply	18,5 kg (40,3 lb) (no UV Detector installed) 1-2 bar (15-30 PSI), maximum 4 bar (60 PSI)			
Production Quality	ISO 9001: 2000 certified manufacturing. CE certified (LVD and EMC)			
Operating Temperature	10-40 °C, 20-80% relative humidity			
Wetted Parts	Standard Version (Stainless Steel) PTFE, graphite fiber filled PTFE, PEEK, glass, sapphire, ceramic, fused silica, stainless steel Types 316 and V4A			
pH Range	2-10 Inert Version			
Wetted Parts	PTFE, graphite fiber filled PTFE, PEEK, glass sapphire, fused silica, titanium			
pH Range	2-10			
UltiMate MICROPUMP				
General				
Power Requirements	90-260 V, 47-63 Hz, 100 VA Maximum			
Fuse	2 Slo-Blo, 2A			
Dimensions (WxDxH)	160mm (6.4 in) x 340mm (13,4 in) x 185mm (7,3 in)			
Weight	5,5 kg (12lb)			
Production Quality	ISO 9001: 2000 certified manufacturing. CE certified (LVD and EMC)			
Operating Temperature	10-40 °C, 20-80% relative humidity			
Flow Characteristics				
Pump Type	Reciprocating double piston pump with electronic residual pulsation suppression			
Flow Rate Range	0-500 uL/min			
Flow Rate Accuracy	< 0,5%			
Flow Rate Selection	Predefined by Calibrator in Solvent Organizer (when used in conjunction with UltiMate)			
Gradient Formation	Low pressure quaternary mixing with high speed micro proportioning valves			
Gradient Accuracy	< 0,5 % RSD (typically < 0.02 % RSD) (when used in conjunction with UltiMate)			
Delay Volume	Calibrator Dependent Micro HPLC - 120 uL Capillary HPLC - 12 uL Nano HPLC - 0,6 uL (when used in conjunction with UltiMate)			
Rapid Purge Valve	Yes			
Pressure Range	0 - 40 Mpa			
GLP Features	Tracking of instrument usage, total pump cycles, total volume electronic records of installation, maintenance, error codes			
UltiMate UV Detector				
General				
Power Requirements	90-260 V, 47-63 Hz, 100 VA Maximum			
Fuse	2 Slo-Blo, 2A			
Dimensions (WxDxH)	160mm (6.4 in) x 340mm (13,4 in) x 185mm (7,3 in)			
Weight	6,1kg (13,3 lb)			
Production Quality	ISO 9001: 2000 certified manufacturing. CE certified (LVD and EMC)			
Operating Temperature	10-40 °C, 20-80% relative humidity			
Detection Characteristics				
Detection Type	Rapid scanning monochromator			
Noise	1 x 10 ⁻⁵ AU (254 nm, 1.0 sec)			
Time Constants	0,1 / 0,2 / 1 / 2 / 5 / 10 sec			
Wavelength Range	190-740 nm, up to four wavelengths can be monitored simultaneously			
Sources	D2, Tungsten			
Wavelength Accuracy	+/- 1 nm			
Scans per run	Number is limited only by speed of data transfer (time programmed or manually launched)			
Scan Ranges	190 - 380, 381 - 740, 190 - 740 nm			
Scan Autozero	Full wavelength range			
Bandwidth	< 7 nm			
Scan Speed	- 100 nm / sec			