



SP/25002



SP/25016



SP/25278

Spectrophotometers

Spectrophotometers, 6300 series

The Models 6300 and 6305 are designed to provide the user with a reliable high quality, simple to operate system for routine analysis.

- Dual display – wavelength and photometric result
- Versatile sampling system
- Full interfacing capability

Technical Specifications

Optics	Single beam
Wavelength	
Range	320-1000nm (6300) / 198-1000nm (6305)
Resolution/Accuracy	1 nm / ± 2 nm
Bandwidth	8nm (6300) / 6nm (6305)
Grating	1200lines/mm
Transmittance	
Range	0 to 199.9%T
Resolution	0.1%T
Accuracy	± 1 %T
Stray light	<0.5%T (6300) <0.5%T @ 340 & 220nm (6305)
Absorbance	
Range/Resolution	-0.300 to 1.999A / 0.001A
Concentration	
Range/Resolution	-300 to 1999Conc / 0.1/1
Photometric noise	<1% (6300) <0.001A @ 0A @ 400nm (6305)
Photometric stability	1%/hr (6300) <0.002A/hr (6305)
Outputs Analogue	(0 to 1.999V d.c.) RS232 serial port
Light source	Tungsten halogen (6300) Xenon lamp module (6305)
Input voltage/Power	110/230V a.c. -20% +10% @50/60Hz / <50W
Size/Weight	365(w)x272(d)x160(h)mm / 6Kg

Cat. No.	Code	Description
SP/25002	630 501	Spectrophotometer 6300 visible
SP/25004	635 001	Spectrophotometer 6305 UV/visible
Accessories		
SP/25016	632 001	Sipper pump (230V) version
SP/25018	632 031	Sipper pump (110V) version
SP/25020	634 001	4 position cell holder
SP/25022	648 001	Single cell jacketed cell holder
SP/25024	630 005	10-100mm cell holder
SP/25028	012 094	Xenon lamp module (6305)
SP/25030	012 075	Tungsten halogen lamp (6300)
SP/25032	630 028	Dust cover
Cuvettes		
SP/25646	035 027	Visible (glass) 10mm path length cuvette
SP/25648	035 123	Visible (glass) micro (500 μ l) cuvette
SP/25280	035 126	Visible (glass) semi-micro (1ml) cuvette
SP/25278	035 028	UV (quartz) cuvette (2.0 to 3.5ml)
SP/25286	035 125	UV (quartz) micro (500 μ l) cuvette
SP/25282	035 127	UV (quartz) semi-micro (1ml) cuvette

Notes