



	T65	T85	T85+	T95
PG Instruments UV-Vis Spectrophotometers	<i>Single beam spectrophotometer with a small footprint. Great for all-round analysis.</i>	<i>Double beam spectrophotometer for greater accuracy at lower concentrations. Fixed 1.85nm bandwidth</i>	<i>Double beam spectrophotometer for greater accuracy at lower concentrations. Variable 0.5, 1, 2, 4nm bandwidth</i>	<i>High performance double beam spectrophotometer with exceptional accuracy and stability. Compatible with a wider range of holders and accessories</i>
Optical System	Single Beam	Double Beam		
Spectral Range	190 - 1100nm			190-900nm
Light source	Tungsten and deuterium lamps			Tungsten halogen and deuterium arc lamps and mercury lamp
Wavelength Accuracy	±0.5nm	±0.3nm		
Wavelength Repeatability	≤0.2nm	≤0.1nm		
Spectral Bandwidth	1.8nm	0.5, 1.0, 2.0, 4.0nm		0.5, 1.0, 2.0, 4.0, 5.0nm
Photometric Range	-0.3 - 3.0Abs	-0.3 - 3.0Abs		-0.3 - 3.0Abs
Baseline Flatness	0.002A	0.001A (200 - 1000nm)		0.00005A (190-850nm)
Baseline Stability	0.001A/h	0.0004A/h		0.00001A/h
Stray Light	≤0.05%T	≤0.03%T		0.005%T
Cell Holder	Auto 8 cell changer included as standard			Auto 8 cell fixed reference changer
Compatible cell holders (ordered separately)	5 cell variable holder, film sample holder			5 cell variable holder Thermostatic cell holder Adjustable micro cell holder Reflection accessory Integrating sphere Film sample holder Autosampler
Display	Digital 7 inch Touch Screen	Digital 10 inch Touch Screen		No local display (must connect to PC)
Software	Local control panel Available separately: UV-Win Software for PC control			No local control panel UV Control software included PC available if required
Photometric modes	Transmittance, absorbance, energy, concentration			
Function workspaces	Photometric, kinetic analysis, multi-wavelength measurement, quantitative analysis, wavelength scan, DNA/protein measurement			
Dimensions (W x D x H)	49 x 37 x 21 cm	63 x 43 x 21 cm		55 x 50 x 26 cm
What's in the box?	Qualification book, 8 position automatic cell holder, pair of 10mm quartz cells, four 10mm glass cells, power cord, instruction manual, dust cover			Certificate of conformity 8 position automatic cell holder (sample & fixed reference) Pair of 10mm quartz cells Four 10 mm glass cells UV Control software memory stick USB cable Power cord Instruction manual Dust cover

Enquire for pricing at richmondscientific.com or call 01257 270433