

SPECTROPHOTOMETERS



S-20
S-22



BOECO MODELS S-20 VIS & S-22 UV/VIS

The S-20 and S-22 are high quality, low cost measurement systems for routine analysis in QC applications, education and training.

- ▶ Wavelength ranges:
320 - 1000 nm (S-20)
198 - 1000 nm (S-22)
- ▶ Bandwidths:
8 nm (S-20)
6 nm (S-22) (over UV range)
- ▶ In-built wavelength calibration
- ▶ Automatic 0%T setting during all calibration routines
- ▶ Dual display - wavelength & photometric result
- ▶ Full interfacing capability (bi-directional RS 232 interface)
- ▶ Versatile sampling system
- ▶ Simple operation
- ▶ Ideal for Routine Analysis
- ▶ First quality at affordable prices
- ▶ Manufactured under ISO 9000 norms
- ▶ CE mark for electromagnetic compatibility

The BOECO Model S-22 has a unique xenon lamp which has the advantage of offering a broad spectral source with extended life. This enables the running costs for the S-22 to be minimised over the lifetime of the spectrophotometer, since there are no deuterium and tungsten lamps to replace.

- ▶ Self calibrating lamp at 3 wavelengths
- ▶ 10 times more UV light energy
- ▶ Blazed holographic grating

Code	Description
BOE 8630501	Model S-20 Vis Spectrophotometer, 230V, with pack 100 disposable plastic cuvettes 10x10mm, mains lead, 10x10 cell holder, PC application software on CD-ROM & manual
BOE 8630531	Model S-20 Vis Spectrophotometer, 110V, with pack 100 disposable plastic cuvettes 10x10mm, mains lead, 10x10 cell holder, PC application software on CD-ROM & manual
BOE 8635001	Model S-22 UV/Vis Spectrophotometer, 230V, with pack 100 disposable plastic cuvettes 10x10mm, mains lead, 10x10 cell holder, PC application software on CD-ROM & manual
BOE 8635031	Model S-22 UV/Vis Spectrophotometer, 110V, with pack 100 disposable plastic cuvettes 10x10mm, mains lead, 10x10 cell holder, PC application software on CD-ROM & manual

Specification	S-20 Vis	S-22 UV/Vis
Wavelength:	320 - 1000 nm	198 - 1000 nm
Range:	1nm	1nm
Resolution:	± 2 nm	± 2 nm
Accuracy	8 nm	6 nm over UV range
Bandwidth	-0.300 to 1.999 A	-0.300 to 1.999A
Absorbance Range:	0.1 %	0.1 %
Resolution	<0,5% @ 340 nm	<0.5% @ 340 nm
Stray Light	± 1%	± 1%
Photometric Accuracy	-300 to 1999 Concentration	-300 to 1999 Concentration
Concentration Range:	0.1 / 1	0.1 / 1
Resolution	ppm, mg/l, g/l, M, %, blank	ppm, mg/l, g/l, M, %, blank
Units	0 to 999.9, 1000 to 9999	0 to 999.9, 1000 to 9999
Factor	<1%	<1%
Photometric Noise Levels	1%/Hour after warm-up	1%/Hour after warm-up
Photometric Stability	Custom Liquid Crystal Display	Custom Liquid Crystal Display
Readout	Analog (0 to 1999mV) / RS232 serial port	Analog (0 to 1999mV) / RS232 serial port
Outputs	Tungsten Halogen 20W 12V	Xenon Lamp module
Light Source	115/230V AC -20% +10%	115/230V AC -20% +10%
Input Voltage	<50W	<50W
Input Power	365(W)x272(D)x166(H) mm	365(W)x272(D)x166(H) mm
Size:	6 kgs	6 kgs
Weight:		