

The Easy-to-Use S1000 Spectrophotometer for Educational Labs



Model S1000 Spectrophotometer

Wavelength Range	400-1000 nm
Spectral Slit Width	20 nm
Optical System	Single beam, grating 1200 line/mm
Wavelength Accuracy	±3 nm
Wavelength Repeatability	± 1nm
Stray Light	<2% at 400 nm
Photometric Range	0-100%T, 0-1.99Abs
Photometric Accuracy	± 2%
Output	Analog
Light Source	Tungsten Halogen Lamp 6V/10W
Power Requirements	110V/220V Switchable
Instrument Dimensions	16"(W) x 12"(D) x 8"(H) 406mm x 305mm x 205mm
Instrument Weight	15 lbs (7kg)

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Precisely designed and ruggedly built, this easy-to-use spectrophotometer is ideal for student use in high schools and colleges. It is suitable for general analysis and experiments such as Beer-Lambert, Absorption Spectrum, Chlorophyll, protein (biuret test) and more.

The built-in secondary filters reduce stray light and increase precision. The student-proof positive safety stopper integrated with the wavelength dial prevents damage to the monochromator and grating. Large digital display makes reading much easier and analog interface allows customers to collect data or print easily with external analog device.

The spectrophotometer comes with ½ inch round tube holder, 10 mm square cuvette adapter, box of 12 round tubes, user's manual, and dust cover. It is set for 110 V, but is switchable to 220 V as well. It is fully packed and ready to use.

Cells

Type	Optical Pathlength (mm)	Interior width (mm)	Window Height (mm)	Height (mm)	Capacity (mL)	Quantity per package	Glass Cell	Quartz Cell	Polystyrene Cell
Round Tube	10	10	100	100	4	12	S-90-301	-	-
Square	10	10	42	45	3.5	100	-	-	S-90-302P -100
	10	10	42	45	3.5	1	S-90-304-1G	S-90-309-1Q	-
Square	10	4	42	45	1.0	100	-	-	S-90-305P
Square, lid	10	4	42	45	1.0	1	S-90-350G	S-90-351Q	-
Square	10	2	5	45	0.1	1	-	S-90-358Q	-
Square	10	2	2.5	45	0.05	1	-	S-90-359Q	-
Rectangular	1	10	42	45	0.35	1	S-90-330G	S-90-331Q	-
Rectangular	5	10	42	48	1.7	1	-	S-90-310Q	-
Rectangular	20	10	42	48	7	1	S-90-325G	S-90-313Q	-
Rectangular	30	10	42	48	10.5	1	S-90-312G	S-90-312Q	-
Rectangular	50	10	42	48	17.5	1	S-90-321G	S-90-311Q	-
Rectangular	100	10	42	48	35	1	S-90-327G	S-90-314Q	-
Cylindrical	50	Ø22	22	-	14	1	S-90-308-50G	-	-
Cylindrical	100	Ø22	22	-	28	1	S-90-308-100G	-	-
Flowcell	10	7	40	48	3	1	S-90-340FG	S-90-342FQ	-
Flowcell	10	4	12	48	0.48 (chamber)	1	S-90-344FG	S-90-346FQ	-
Flowcell	10	Ø3	-	-	0.07 (chamber)	1	S-90-345FG	S-90-347FQ	-

Cells Round Tube Square Rectangular Cylindrical Microcell Flowcell

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