

## The Easy-to-Use S1000 Spectrophotometer for Educational Labs



### Model S1000 Spectrophotometer

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

### Models S1000 Spectrophotometer

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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