

S1000 Visible Spectrophotometers



Precisely designed and ruggedly built, this easy-to-use spectrophotometer is ideal for student use in high schools, colleges and for general laboratory testing. It is suitable for general analysis and experiments such as Beer-Lambert, Absorption Spectrum, Transmittance, Chlorophyll, protein (biuret test) and more. Includes a visible wavelength spectrum chart on the instrument panel, allowing the user to make the correlation between a wavelength number to an actual color on the visible light spectrum. A versatile instrument designed to accept both round optical glass, or square 10 mm path length cuvetts.

The built-in secondary filters reduce stray light and increase precision. The design is "Student-Proofed" making this a durable unit for years of use. Large digital display makes reading much easier and the new USB interface allows customers to collect and print data via a computer.

The model S1000 now includes a USB port for data transfer to a PC. Optional Windows® based software is available for easy data collection and application expansion to Standard Curve and Kinetics. Data can easily be exported to Microsoft Excel® for further processing, analysis and documentation.

The spectrophotometer comes with 1/2" round tube holder, 10 mm square cuvet adapter, box of 12 round optical glass cuvetts, Users Guide-Experiment manual and dust cover. It is pre-set for 110 Volt, but is user switchable to 220 Volt. The detachable power cord can easily be switched to a 220 Volt international plug/cord.



S1000 shown with Cuvet Holder closed



View of S1000 USB Data Port



S90-301 Optical glass Round Cuvets

S1000	
Wavelength Range	400-1000nm
Slit Width	20nm
Optical System	Single Beam, Grating System 1200 lines/mm
Wavelength Accuracy	± 3nm
Wavelength Repeatability	± 1nm
Stray Energy	< 2% @ 400nm
Photometric Range	0% - 100% T, 0 - 1.99 Abs
Photometric Accuracy	± 2%
Photometric Noise	± 1.0%
Data Port	USB
Light Source	Tungsten Halogen Lamp 6V/10W
Power Requirements	110-120V/60Hz Switchable 220V-240V/50Hz
Instrument Dimensions	16"W x 12"D x 8"H 406mm x 305mm x 205mm
Instrument Weight	15 lbs (7kg)

Item No.	Description
S1000	Model S1000 Spectrophotometer, 20nm, 110V
S1000E	Model S1000E Spectrophotometer, 20nm, 220V
S1100-505	Replacement Tungsten Halogen Bulb, 6V / 10 Watt
S1000-401	Application Software for Windows
S1100-115	COD Vial Sample Holder
S90-301	Optical glass Round Cuvets, Pk/12
S90-304G	Optical glass Square Cuvets, Pk/2