

UV-Visible Spectrophotometer Selection Guide



S2100UV+



SQ3802



SQ2800



SQ4802

Electromagnetic Spectrum:

Wavelength Range in Nanometers (nm):

Ultra-Violet (UV), Visible (Vis) and Infrared Light (IR)

- **Ultra-Violet (UV) Spectrum:** 200nm – 400nm
- **Visible Light Spectrum (Vis):** 400nm – 750nm
- **Infrared Spectrum (IR):** 750nm – 300,000nm

UNICO Visible Light Spectrophotometers

Wavelength Range by series:

- **S2100UV+ Series:** 200nm – 1,000nm
- **SQ2800 Series:** 190nm – 1,100nm
- **SQ3800 Series:** 190nm – 1,100nm
- **SQ4800 Series:** 190nm – 1,100nm

How do I select the right spectrophotometer for my applications? We can help. Contact UNICO by phone, fax, or e-mail and our technicians will be glad to help select the right instrument for your needs. Please see the Selection Guide below. This will help you understand the general specifications by model.

Model	Wavelength Range (nm)	Slit Width Bandpass	Cell Pathlength	Absorbance Scanning	Concentration Range	Concentration Conc., C	Photometric Accuracy	Data Port(s)	Light Beam	Printer	Voltage Pre-set	Pg.
S2100UV+	200-1000 nm	4 nm	100 mm	Via PC	0.3-2.5A	0 - 9999	.004 @ 0.5 A	USB & RS232	Single	Optional	110 Volt	12
S2100UV+E	200-1000 nm	4 nm	100 mm	Via PC	0.3-2.5A	0 - 9999	.004 @ 0.5 A	USB & RS232	Single	Optional	220 Volt	12
S2100UV+P	200-1000 nm	4 nm	100 mm	Via PC	0.3-2.5A	0 - 9999	.004 @ 0.5 A	USB & RS232	Single	Built-in	110 Volt	13
S2100UV+PE	200-1000 nm	4 nm	100 mm	Via PC	0.3-2.5A	0 - 9999	.004 @ 0.5 A	USB & RS232	Single	Built-in	220 Volt	13
SpectroQuest™												
SQ2800	190-1100 nm	4 nm	100 mm	Yes	0.3-3A	0 - 9999	.004 @ 0.5 A	USB & RS232	Single	Optional	110 Volt	16
SQ2800E	190-1100 nm	4 nm	100 mm	Yes	0.3-3A	0 - 9999	.004 @ 0.5 A	USB & RS232	Single	Optional	220 Volt	16
SQ2800P	190-1100 nm	4 nm	100 mm	Yes	0.3-3A	0 - 9999	.004 @ 0.5 A	USB & RS232	Single	Built-in	110 Volt	16
SQ2800PE	190-1100 nm	4 nm	100 mm	Yes	0.3-3A	0 - 9999	.004 @ 0.5 A	USB & RS232	Single	Built-in	220 Volt	16
SQ2802	190-1100 nm	1.8 nm	100 mm	Yes	0.3-3A	0 - 9999	.004 @ 0.5 A	USB & RS232	Single	Optional	110 Volt	17
SQ2802E	190-1100 nm	1.8 nm	100 mm	Yes	0.3-3A	0 - 9999	.004 @ 0.5 A	USB & RS232	Single	Optional	220 Volt	17
SQ2802S	190-1100 nm	1, 1.8, 4 nm	100 mm	Yes	0.3-3A	0 - 9999	.004 @ 0.5 A	USB & RS232	Single	Optional	110 Volt	17
SQ2802SE	190-1100 nm	1, 1.8, 4 nm	100 mm	Yes	0.3-3A	0 - 9999	.004 @ 0.5 A	USB & RS232	Single	Optional	220 Volt	17
SQ2802PCS	190-1100 nm	1, 1.8, 4 nm	100 mm	Yes	0.3-3A	0 - 9999	.004 @ 0.5 A	USB & RS232	Single	Optional	110 Volt	17
SQ2802PCSE	190-1100 nm	1, 1.8, 4 nm	100 mm	Yes	0.3-3A	0 - 9999	.004 @ 0.5 A	USB & RS232	Single	Optional	220 Volt	17
SQ3802	190-1100 nm	1.8 nm	100 mm	Yes	0.3-3A	0 - 9999	.004 @ 0.5 A	USB & RS232	Split	Optional	110 Volt	18
SQ3802E	190-1100 nm	1.8 nm	100 mm	Yes	0.3-3A	0 - 9999	.004 @ 0.5 A	USB & RS232	Split	Optional	220 Volt	18
SQ4802	190-1100 nm	1.8 nm	100 mm	Yes	0.3-3A	0 - 9999	.004 @ 0.5 A	USB & RS232	Double	Optional	110 Volt	19
SQ4802E	190-1100 nm	1.8 nm	100 mm	Yes	0.3-3A	0 - 9999	.004 @ 0.5 A	USB & RS232	Double	Optional	220 Volt	19