

## SQ-2802 Series Single Beam UV/Vis Spectrophotometers

SQ-2802 series is an advanced single beam design consisting of three models: Stand-alone model SQ-2802 with 1.8nm fixed bandpass and model SQ-2802S with variable slits (1nm, 1.8nm, and 4nm); PC model SQ-2802PC with 1.8nm fixed bandpass and can be controlled either by the keypad, or remote controlled from a computer with the included software package.

SQ-2802 has all the features that SpectroQuest line offers in a stand-alone unit. The PC models come standard with Windows® based application software (PC not included) and can perform basic Abs./%T/Conc. tests without a PC. All instruments provide excellent performance and flexibility for your applications. The large sample compartment (100 mm) accommodates a wide range of cell holders and accessories including peristaltic sipper and peltier system.



### SQ-2802 / SQ-2802S

<b>Wavelength Range</b>	190 - 1100 nm
<b>Slit Width</b>	1.8 nm (SQ-2802) 1, 1.8, 4 nm (SQ-2802S)
<b>Optical System</b>	Single Beam, Grating System 1200 lines/mm
<b>Wavelength Accuracy</b>	± 0.3 nm
<b>Wavelength Resolution</b>	± 0.1 nm
<b>Wavelength Repeatability</b>	± 0.2 nm
<b>Photometric Range</b>	0% T to 200% T -0.3 to 3 A 0 to 9999 Conc
<b>Photometric Accuracy</b>	± 0.3% T
<b>Photometric Repeatability</b>	Better than 0.2% T
<b>Stray Light</b>	Less than 0.10% T
<b>Baseline Flatness</b>	± 0.002 A
<b>Stability</b>	0.002 A/h @ 500 nm
<b>Scanning Speed</b>	High, Medium, Low Maximum 1000 nm/minute
<b>Light Source</b>	Halogen, Deuterium (pre-aligned)
<b>Display</b>	Graphic LCD (320 x 240) dots
<b>Keyboard Control</b>	29 Membrane keypad
<b>Data Output</b>	USB and RS232C, Parallel printer port
<b>Sample Compartment</b>	Accommodates 100mm pathlength cuvet with optional holder
<b>Printer</b>	Mini parallel printer optional
<b>Power Requirements</b>	110-120V/60Hz Switchable 220V-240V/50Hz
<b>Instrument Dimensions</b>	24.5"W x 15.7"D x 11"H 620mm x 400mm x 280mm
<b>Instrument Weight</b>	48 lbs (22 kg)
<b>Warranty</b>	One Year

### SQ-2802PC / SQ-2802PCS

<b>Wavelength Range</b>	190 - 1100 nm
<b>Slit Width</b>	1.8 nm (SQ-2802PC) 1, 1.8, 4 nm (SQ-2802PCS)
<b>Optical System</b>	Single Beam, Grating System 1200 lines/mm
<b>Wavelength Accuracy</b>	± 0.3 nm
<b>Wavelength Resolution</b>	± 0.1 nm
<b>Wavelength Repeatability</b>	± 0.2 nm
<b>Photometric Range</b>	0% T to 200% T -0.3 to 3 A 0 to 9999 Conc
<b>Photometric Accuracy</b>	± 0.3% T
<b>Photometric Repeatability</b>	Better than 0.2% T
<b>Stray Light</b>	Less than 0.10% T
<b>Baseline Flatness</b>	± 0.002 A
<b>Stability</b>	0.002 A/h @ 500 nm
<b>Scanning Speed</b>	600 nm/minute
<b>Light Source</b>	Halogen, Deuterium (pre-aligned)
<b>Display</b>	20 x 2 LCD
<b>Keyboard Control</b>	8 Key Buttons (inactive when PC connected)
<b>Data Output</b>	USB and RS232C, Parallel printer port
<b>Sample Compartment</b>	Accommodates 100mm pathlength cuvet with optional holder
<b>Printer</b>	Mini parallel printer optional
<b>Power Requirements</b>	220V-240V/50Hz 110-120V/60Hz Switchable
<b>Instrument Dimensions</b>	24.5"W x 15.7"D x 11"H 620mm x 400mm x 280mm
<b>Instrument Weight</b>	53 lbs (24 kg)
<b>Warranty</b>	One Year

Item No.	Description
SQ2802	Model SQ2802 Scanning UV/Vis, 1.8nm, 110V
SQ2802E	Model SQ2802E Scanning UV/Vis, 1.8nm, 220V
SQ2802S	Model SQ2802S Scanning UV/Vis, Variable nm, 110V
S2Q2802SE	Model SQ2802SE Scanning UV/Vis, Variable nm, 220V
SQ2800-405	SpectroQuest Data Download Software for PC's
SQ2800-401	Advanced Application Software for PC's

Contact UNICO for additional parts and accessories

Item No.	Description
SQ2802PC	Model SQ2802PC Scanning UV/Vis, 1.8nm, 110V
SQ2802PCE	Model SQ2802PCE Scanning UV/Vis, 1.8nm, 220V
SQ2802PCS	Model SQ2802PCS Scanning UV/Vis, Variable nm, 110V
SQ2802PCSE	Model SQ2802PCSE Scanning UV/Vis, Variable nm, 220V
SQ2800-405	SpectroQuest Data Download Software for PC's
SQ2800-401	Advanced Application Software for PC's

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