



## SQ-2800 Single Beam UV/Vis Spectrophotometers

SQ-2800 is the most economic general-purpose design in the SpectroQuest line. It is a stand-alone model with 4nm fixed bandwidth and has all the features that SpectroQuest line offers for a stand-alone unit. It provides excellent performance for measurements in the range of 190nm to 1100nm. It has a large angled LCD screen with contrast adjustment for comfortable viewing in a variety of room conditions. The large sample compartment (100 mm) accommodates a wide range of cell holders and accessories including peristaltic sipper and peltier system. Optional PC download software and PC Windows® application software make this instrument very versatile. SQ2800P Models are available with built-in printers.



SQ-2800 shown with 100 mm sample compartment open

### SQ-2800

|                                  |                                                          |
|----------------------------------|----------------------------------------------------------|
| <b>Wavelength Range</b>          | 190 - 1100 nm                                            |
| <b>Slit Width</b>                | 4 nm                                                     |
| <b>Optical System</b>            | Single Beam, Grating System 1200 lines/mm                |
| <b>Wavelength Accuracy</b>       | ± 0.8 nm                                                 |
| <b>Wavelength Resolution</b>     | ± 0.1 nm                                                 |
| <b>Wavelength Repeatability</b>  | ± 0.5 nm                                                 |
| <b>Photometric Range</b>         | 0% T to 200% T<br>-0.3 to 3 A<br>0 to 9999 Conc          |
| <b>Photometric Accuracy</b>      | ± 0.5% T                                                 |
| <b>Photometric Repeatability</b> | Better than 0.3% T                                       |
| <b>Stray Light</b>               | Less than 0.15% T                                        |
| <b>Baseline Flatness</b>         | ± 0.004 A                                                |
| <b>Stability</b>                 | 0.002 A/h @ 500 nm                                       |
| <b>Scanning Speed</b>            | High, Medium, Low<br>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<br>220V-240V/50Hz               |
| <b>Instrument Dimensions</b>     | 21.7"W x 16.5"D x 10.6"H<br>550mm x 420mm x 270mm        |
| <b>Instrument Weight</b>         | 44 lbs (20 kg)                                           |
| <b>Warranty</b>                  | One Year                                                 |

### SQ-2800P

|                                  |                                                          |
|----------------------------------|----------------------------------------------------------|
| <b>Wavelength Range</b>          | 190 - 1100 nm                                            |
| <b>Slit Width</b>                | 4 nm                                                     |
| <b>Optical System</b>            | Single Beam, Grating System 1200 lines/mm                |
| <b>Wavelength Accuracy</b>       | ± 0.8 nm                                                 |
| <b>Wavelength Resolution</b>     | ± 0.1 nm                                                 |
| <b>Wavelength Repeatability</b>  | ± 0.5 nm                                                 |
| <b>Photometric Range</b>         | 0% T to 200% T<br>-0.3 to 3 A<br>0 to 9999 Conc          |
| <b>Photometric Accuracy</b>      | ± 0.5% T                                                 |
| <b>Photometric Repeatability</b> | Better than 0.3% T                                       |
| <b>Stray Light</b>               | Less than 0.15% T                                        |
| <b>Baseline Flatness</b>         | ± 0.004 A                                                |
| <b>Stability</b>                 | 0.002 A/h @ 500 nm                                       |
| <b>Scanning Speed</b>            | High, Medium, Low<br>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>                   | Built-in                                                 |
| <b>Power Requirements</b>        | 110-120V/60Hz Switchable<br>220V-240V/50Hz               |
| <b>Instrument Dimensions</b>     | 21.7"W x 16.5"D x 10.6"H<br>550mm x 420mm x 270mm        |
| <b>Instrument Weight</b>         | 44 lbs (20 kg)                                           |
| <b>Warranty</b>                  | One Year                                                 |

### Item No. Description

|            |                                                 |
|------------|-------------------------------------------------|
| SQ2800     | Model SQ2800 Scanning UV/Vis, 4nm, 110V         |
| SQ2800E    | Model SQ2800E Scanning UV/Vis, 4nm, 220V        |
| SQ2800P    | Model SQ2800P with Built-in Printer, 4nm, 110V  |
| S2Q2800PE  | Model SQ2800PE with Built-in Printer, 4nm, 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

**Did you know that UNICO services spectrophotometers? Contact us for more details.**