

483-B20010

U/S, FAYETTEVILLE, NC

**Extended  
Price**

| Qty | Part No. | Item Description  |  |
|-----|----------|---|--|
| 1   |          | <b>Mainframe</b><br><br>The ACUSON S2000(tm) ultrasound system is a multi-speciality system designed to exceed your expectations - today and into the future. The unmatched ability to deliver comprehensive information to make a differential diagnosis even in the most challenging case makes this the system to have "when you need to know more." The industrial design is conducive to today's busy environments. The home base layout of controls and operator functions on the control panel supports the natural and extended reach of the user and greatly reduces keystrokes and repetitive movements. The 19" flat panel display with articulating arm, control panel height adjustment and side-to-side swivel allow for appropriate positioning and placement to accommodate tight and/or awkward scanning environments. A rear handle and extra transducer storage further extend the product offering into the high end arena. In addition to a lightweight system, the QuikStart standby mode enhances system portability by reducing startup and shutdown times to approximately 30 seconds and 10 seconds respectively.   |  |
| 1   |          | <b>SW 3.0</b><br><br>Release 3.0 (VC10) for the ACUSON S2000(tm) ultrasound system continues to advance the performance and capabilities of the system. The unmatched ability to deliver comprehensive information to make a differential diagnosis even in the most challenging cases makes this the system to have "When you need to know more." The system's powerful imaging is further enhanced over previous releases and enables the 6C1 HD transducer. Improvements and expanded capabilities in Cadence(tm) Contrast Agent Imaging technology** strengthens the system's ability to deliver penetrating insight. The system's smart workflow improves with moveable (drag & drop) annotations. This release also now includes virus protection via McAfee(r) Embedded Security solution, which protects the system against Advanced Persistent Threats, viruses, malware and other executing software. eSieScan(tm) workflow protocols allow the operator to focus on patient care, rather than system interaction by anticipating and executing the exam based on customizable programs. DICOM functionality including Structured Reporting, Modality Worklist and Query/Retrieve are included as part of the system's core functionality. Report data can also be transferred to external locations in .xml file format. **At the time of publication, the U.S. Food and Drug Administration has cleared ultrasound agents only for use in LVO. Check current regulations for the country in which you are using this system for contrast agent clearance. |  |
| 1   |          | <b>S2000 Operating Sys, English, 3.0</b>  |  |
| 1   |          | <b>115V Power Supply</b>  |  |
| 1   |          | <b>Video Interface</b>  |  |

**Qty Part No. Item Description**

### **General Imaging Technologies**

ultrasound system offers the General Imaging Technologies package for the ultimate solution of imaging and workflow needs of today's radiology clinic. The General Imaging Technologies package offers advanced image quality and innovative workflow solutions at a reduced price. Advanced SieClear(tm) spatial compounding, Clarify(tm) vascular enhancement technology, SieScape(tm) panoramic imaging, Color SieScape(tm) panoramic imaging and TEQ(tm) ultrasound technology round off this progressive product offering.

### **3-Scape 3D Imaging**

3-Scape(tm) real-time 3D imaging is fully integrated into the ACUSON S2000(tm) ultrasound system, providing real-time construction of 3D images during free-hand acquisition. 3-Scape imaging offers multiple rendering methods, an array of editing tools, and 3D storage and retrieval functionality. 3-Scape imaging is available in 2D, THI, and Power modes. When purchased with the ACUSON S2000(tm) Advanced SieClear spatial compounding, 3D Dynamic TCE is available which provides a rendered volume with speckle reduction algorithm applied. The volumes are presented with an increased quality for a diagnostic confidence never before seen in volume imaging.

### **syngo eSieCalc**

native tracing software provides the ultimate workflow solution for performing traced measurements. syngo eSie Calcs software performs automated trace measurements with area, circumference, linear and volume results. Measurements can be unlabeled or labeled and stored in the report. Workflow allows for the flexibility of measure-then-label or label-then-measure keystrokes. syngo eSie Calcs software can be utilized in place of manually traced measurements. Editing tools provide for quick realignment of the automatic trace.

### **6C2 Transducer (MP), S2000**

The 6C2 transducer utilizes patented micro-pinless (MP) connector and is based on Hanafy lens transducer technology in an ergonomically optimized microCase(tm) transducer miniaturization technology design. Hanafy lens technology for uniformly narrow image slice thickness, dual frequency NTHI capability, excellent penetration, detail and contrast resolution, high signal to noise ratio, high sensitivity in color and spectral Doppler modes, independent frequency selection across modes, superior ergonomic design for comfort and access. Wideband MultiHertz(tm) multiple frequency imaging provides multiple transmit frequencies ranging for optimal resolution and penetration. Excellent detail resolution is apparent in primary applications including general abdominal, renal, OB/Gyn and fetal heart imaging.

### **4C1 Transducer (MP), S2000**

The 4C1 transducer utilizes patented micro-pinless (MP) connector and is based on Hanafy lens transducer technology in an ergonomically optimized microCase(tm) transducer miniaturization technology design. Hanafy lens technology for uniformly narrow image slice thickness, dual frequency NTHI capability, excellent penetration, detail and contrast resolution, high signal to noise ratio, high sensitivity in color and spectral Doppler modes, independent frequency selection across modes, superior ergonomic design for comfort and access. Wideband MultiHertz(tm) multiple frequency imaging provides multiple transmit frequencies ranging for optimal resolution and penetration. Excellent detail resolution is apparent in primary applications including general abdominal, renal, and OB/Gyn imaging. The 4C1 transducer is also optimized for those exams that require additional imaging penetration such as technically difficult patients.

### **EV8C4 transducer, S2000**

The EV8C4 transducer utilizes patented micro-pinless (MP) connector technology and is based on wideband technology which provides superior performance for endovaginal imaging. Wideband MultiHertz(tm) multiple frequency imaging provides multiple transmit frequencies for optimal resolution and penetration. Excellent detail resolution is apparent in primary applications including gynecology and obstetrics.

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**4V1 Transducer (MP), S2000**

The 4V1 is a small footprint transducer featuring microCase(tm) miniaturization technology and can be used for a broad range of adult abdominal, OB/Gyn, and fetal heart imaging applications. This transducer utilizes patented micro-pinless connector technology and Hanafy lens transducer technology to provide improved resolution and image uniformity. The 4V1 delivers excellent detail and contrast resolution, high sensitivity in color and spectral Doppler modes, independent frequency selection across modes, superior ergonomic design for comfort and access.

**9L4 Transducer (MP), S2000**

The 9L4 transducer utilizes patented micro-pinless (MP) connector and is based on Multi-D(tm) matrix array transducer technology and exceptional spatial resolution throughout the field of view. This multi-row array transducer is contained in an ergonomically designed microCase(tm). This transducer technology with its improved beam profile creates unsurpassed image detail, clarity and uniformity. Wideband MultiHertz(tm) multiple frequency imaging provides multiple transmit frequencies. Integrated microelectronics contained in an ergonomically designed microCase(tm) and combined with a revolutionary SuppleFlex(tm) transducer cable provide a lightweight design to reduce operator fatigue.

**18L6 HD Transducer (MP), S2000**

The 18L6 HD (High Density) is a large format, 50mm, linear transducer with a 6 to 18 MHz bandwidth. The 18L6 HD utilizes Hanafy lens transducer technology providing an industry leading high density (HD) 100 micron pitch for unrivaled contrast and spatial resolution. Additionally, patented micro-pinless (MP) connector technology and Wideband MultiHertz(tm) multiple frequency imaging capabilities set the standard for high frequency imaging. It is built with patented Elastogrip(tm) ergonomic grip coating for unrivaled grip comfort and repetitive stress reduction. A specially designed SuppleFlex(tm) transducer cable provides a lightweight design to reduce operator fatigue. eSieTouch(tm) elasticity imaging is supported on the 18L6 HD.

**Ultrasound Apps Training 1 day included**

**FPD/ARM Trade-in plus elevate**

Trade-in value is valid for forty-five (45) days from the date of the quotation. After that time it must be revalued. The trade-in equipment shall be free and clear of all liens, encumbrances, security interests, assessments, rights of distraint and any other third party claims. Purchaser shall provide Siemens or its designated dealer or agent with access to the trade-in equipment within 48 hours after installation of the new equipment. Title and risk of loss to the trade-in equipment shall pass to Siemens or its designee upon installation of the purchased equipment at the Purchaser's facility. In the event that access to the trade-in equipment is denied for more than 30 days after shipment of the new equipment, then the Purchaser shall pay to Siemens the amount of ten (10) percent of the total trade in value including Elevate discounts for each month, or part thereof, that access is denied. In addition, in the event that the trade-in equipment does not meet manufacturer's operating specifications or is not otherwise in the condition as stated in the trade-in specification sheet at the time of trade-in, or in the event that any trade-in items are not returned or otherwise made available to Siemens or its designee, then Purchaser shall be invoiced and shall pay for any missing or damaged items/equipment, or the trade-in value set forth in this Quotation shall be adjusted in Siemens' sole discretion.

**One complimentary biomedical tuition is included with the purchase of this system. This training must be completed before the end of the warranty period.**

**S2000 English Keyboard**

## Detailed Technical Specifications

| Part No. / Product | Description  |
|--------------------|--|
|                    | <p>patented micro-pinless connectors along with sophisticated high-density signal processing create image quality unsurpassed in the high end market. The flat panel monitor with ISP (in-plane switching) technology and transducer technology contributes to the image quality surpassing that of the competition</p> <p>The core system DICOM functionality includes: Modality Worklist, Query/Retrieve (Q/R), "in-progress" or "batch" print to DICOM print devices, "in-progress" or "batch" storage of exam images, clips and patient information, Storage Commitment, transfer of performed procedure information from the ACUSON S2000 system to a HIS/RIS system, and Structured Reporting functionality.</p> <p>DICOM Structured Reporting allows organized transfer of calculation data to PACs systems in either supported public elements, or in private elements for measurements not supported by DICOM S/R and is available for OB/GYN, Cardiac and Vascular calculation data. Structured reporting data may be transferred to DICOM Storage Devices or Network File Share</p> <p><i>The DICOM conformance statement for the ACUSON S2000 ultrasound system is available on the Siemens Healthcare website at:</i></p>   |
|                    | <p>Advanced SieClear™ spatial compounding offers image quality with unrivaled detail and contrast resolution. Advanced SieClear compounding is a real-time compounding technique which applies multiple lines of sight at greater steering angles. Includes Dynamic TCE™ tissue contrast enhancement technology – a real-time speckle reduction technique that enhances contrast resolution, border detection, and image presentation. Clarify™ vascular enhancement technology reduces noise within vessels, enhances tissue characterization and improves contrast resolution and boundary detection. SieScape™ panoramic imaging option allows the acquisition and display of B-mode panoramic images up to 240 cm in length or in angular measurements up to 180 degrees. Large organs and long vessels can be displayed in their full dimension for increased on-screen anatomical information. SieScape panoramic imaging extends the field of view to provide a seamless ultrasound image covering an area much larger than a normal transducer aperture. Color SieScape™ panoramic imaging allows the user to create an ultrasound image with an extended field of view during real-time imaging in 2D and Power modes. Color SieScape imaging can demonstrate anatomical relationships of tissue/organ and vasculature. TEQ™ ultrasound technology now offers a sophisticated solution for 2D and Spectral Doppler imaging optimization with a push of a button. The TEQ technology significantly reduces time spent optimizing imaging performance, while improving the consistency and quality of diagnostic exams.</p> |
|                    | <p>3-Scape™ real-time 3D imaging option features:</p> <ul style="list-style-type: none"> <li>- Acquisition and display of 3D images in 2D and Power modes</li> <li>- Region of Interest (ROI) acquisition available for selective 3D capture to reduce editing</li> <li>- Independent review of 2D or Power mode within the same volume-rendered 3D image</li> <li>- Four quadrant display of volume rendering and Multi-Planar Reformatting (MPR)</li> <li>- Surface and volume rendering in Surface, Opacity, Min. IP, Max. IP, and Mean IP modes</li> <li>- Electronic editing tools to edit the volume for further optimization</li> <li>- Storage, review and re-editing of 3-Scape imaging volumes</li> <li>- Post processing of volumes with zoom, 2D and Power maps, 2D tint maps, dynamic range and priority controls</li> </ul> <p>Unique to the 3-Scape imaging feature is the ability to transfer the volume data sets as clips. All three orthogonal planes are converted to clips as defined by the user. Since there is no DICOM standard for volume data sets, this allows for transfer of an entire volume over the network to any workstation. Each acquired orthogonal plane can be viewed as a clip, thereby reducing the amount of effort necessary for reviewing volume data.</p>  |
|                    | <p>native tracing software is an adaptive algorithm software developed by Siemens Corporate Research. It is based on border detection technology allowing for accurate automatic tracing of lesions as well as anatomical structures.</p>  |

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|--------------------|--|
|                    | <p>The 6C2 supports a wide range of applications and imaging features in order to provide a fully functional, high frequency, curved array transducer.</p> <ul style="list-style-type: none"> <li>- Aperture = 60.9 x12 mm</li> <li>- Maximum field of view: 70 degrees</li> <li>- Maximum Depth of display: 24cm</li> <li>- Multiple frequencies for all modes 2D, M-mode, Harmonics, Color doppler (CDV and CDE), and PW doppler.</li> </ul>   |
|                    | <p>The 4C1 supports a wide range of applications and imaging features in order to provide a fully functional curved array transducer.</p> <ul style="list-style-type: none"> <li>- Aperture = 76 x 23 mm</li> <li>- Maximum field of view: 70 degrees</li> <li>- Maximum Depth of display: 30cm</li> <li>- Multiple frequencies for all modes 2D, M-mode, Harmonics, Color Doppler (CDV and CDE), and PW Doppler.</li> </ul>   |
|                    | <p>The EV8C4 provides essential basic and advanced functionality for the gynecological and obstetrical ultrasound exam.</p> <ul style="list-style-type: none"> <li>- Array footprint: 28.2 mm</li> <li>- Maximum Display depth: 140 mm</li> <li>- Maximum field of view: 135 degrees</li> <li>- Expanded MultiHertz™ multiple frequency imaging for 2D, Harmonics, M-mode, Color Doppler, and PW Doppler</li> </ul>  |
|                    | <p>The 4V1 extends over multiple applications including imaging providing a single-solution transducer.</p> <ul style="list-style-type: none"> <li>- Expanded MultiHertz™ multiple frequency imaging in 2D, M-Mode, Harmonics, Color Doppler (CDV and CDE), PW and HPRF spectral Doppler.</li> <li>- Field of View: 90°</li> <li>- Maximum Display Depth: 30cm</li> <li>- Aperture: 28.2 x 13.5 mm</li> </ul>  |
|                    | <p>The 9L4 extends over multiple applications including imaging providing a single-solution transducer.</p> <ul style="list-style-type: none"> <li>- Expanded MultiHertz™ multiple frequency imaging for 2D, Harmonics, M-mode, Color Doppler (CDE and CDV), and PW Doppler.</li> <li>- Virtual Format imaging mode extends the lateral field of view</li> <li>- Aperture: 45 x 15 mm</li> <li>- Array footprint: 38 mm</li> <li>- Maximum display depth: 14cm</li> <li>- Maximum field of view: 60 degrees in Virtual format</li> </ul> |
|                    | <p>The 18L6 HD extends over multiple superficial applications.</p> <ul style="list-style-type: none"> <li>- Expanded MultiHertz™ multiple frequency imaging for 2D, Harmonics, M-mode, Color Doppler (CDE and CDV), and PW Doppler</li> <li>- Virtual Format imaging mode extends the lateral field of view</li> <li>- Array footprint: 58 mm</li> <li>- Maximum display depth of 80 mm</li> <li>- Maximum field of view is 40 degrees in sector format.</li> </ul>  |
|                    | <p><u>One(1)DaySystemInstallationApplicationsTraining</u> Oneday-on-site general system installation application training to include basic or advanced training on system and options. Extent and objective of training will be determined with the site prior to the training event. Specific options may require one additional on charge applications day. Additional training may be purchased.</p>  |