VAMC LOS ANGELES, CA
PO# 691-B40008

ACUSON X300 PE System -ultrasound system

All items listed below are included for this system: *(See Detailed Technical Specifications at end of Proposal.)*

Qty	Item Description
1	**ACUSON X300PE System100V-230V 17"FPD** The ultra-portable ACUSON X300(tm) ultrasound system, Premium Edition (PE) brings the benefits of Siemens innovative ultrasound technologies to the world of compact, mobile, high performance color Doppler ultrasound systems. The ACUSON X300 PE system combines best-in-class image quality with advanced technology and features to meet your daily clinical needs across a comprehensive application range.
1	**X300 PE SW 7.5** Operating software ACUSON X300(tm) ultrasound system, premium edition (PE) release 7.5
1	**Operating System, USA ENG, X300 7.5** ACUSON X300(tm) ultrasound system, premium edition (PE) product-specific operating software, control panel and detailed instructions for use in English.
1	**Cordset, 115V, G40** Custom cordset and plug. Valid only with 115V fuse. Cordset for use of the G40, X150, X300, X500 and G60S rev10.0 system in Brazil, Canada, Korea, Mexico, Philippines, Saudi Arabia, Taiwan, USA
1	**Quick Start Option, X300** QuikStart allows for fast and easy access to imaging by reducing the time required for power-up and power-down events.
1	**Plus Option, X300 PE** A beamforming hardware option that improves image quality, penetration and sensitivity for high density transducers
1	**GI Adv Imaging Bundle, X300 PE** The GI Advanced Imaging Bundle enables the following popular options in an easy to order value package:: (10133033) TGO Technology, X300 (10348229) Clarify VE, X300 (10348231) SieClear, X300 (10348230) SieScape, X300 (10427802) DTCE, X300 PE
1	**DICOM Bundle, X300** The DICOM Bundle, X300 enables comprehensive, DICOM capabilities in an easy-to-order value package and includes: (10133000) DICOM Connectivity, X300 (10133001) DICOM Worklist, X300 (10133002) DICOM MPPS, X300 (10133004) DICOM SR Cardiac, X300* (10348232) DICOM SR OB/GYN, X300* (10348233) DICOM SR Vascular, X300* * Please note that DICOM Structured Reporting (SR) is not supported on the ACUSON X300 system, R2.0 with syngo(r) Dynamics.

Qty	Item Description
2	**VF13-5 Linear Array** The VF13-5 linear array transducer uses high resolution, high-density 128-element technology. On the SONOLINE G40, ACUSON X150 and ACUSON X300 system this transducer offers user-selectable MultiHertz(tm) multiple-frequency imaging, expanding its clinical versatility. Applications: Small Parts, Breast, Musculoskeletal, and Orthopedics Features include: - 2D, M-Mode frequency range: 12 - 7 MHz - Center Frequency: 8.6 MHz -THI
2	**VF13-5SP Transducer** The VF13-5SP transducer* is a lightweight, "T" shaped transducer with an offset handle and a small footprint. The transducer is ergonomically designed to facilitate intraoperative applications and features an extra long, lightweight cable (2.4 m). MultiHertz(tm) multiple frequency selection technology expands its clinical versatility. The user can select from multiple 2D and Doppler frequencies that ranges from 13 to 5 MHz. The optimal imaging depth of the transducer is between 3 to 30 mm. Intraoperative applications include carotid endarterectomies vein grafts renal arteries spinal surgery. The VF13-5SP transducer is also very suitable for musculoskeletal and small parts scanning, especially when a small transducer footprint is a key requirement.
1	**User and Ref Manual, ENG X300 7.0 / 7.5** English operating instructions for the ACUSON X300(tm) ultrasound system, Premium Edition (PE), 7.0
1	**X300 Service Manual** Provides instructions for basic and advanced service functions.
1	**Ultrasound Apps Training 2 days included** Two (2) Days System Installation Applications Training Two days on-site general system installation applications training to include basic or advanced training on systems and options. Extent and objective of training will be determined with the site prior to the training event. Specific options may require one additional no charge applications day. Additional training may be purchased.

Detailed Technical Specifications

ACUSON X300 PE System -ultrasound system

/ Product	Description
ACUSON X300PE System100V-230V 17"FPD	The ACUSON X300 PE combines excellent imaging performance with sophisticated workflow advancements to address a wide variety of ultrasound imaging needs. At software version 7.5*, the system combines best-in-class image quality with advanced technology and features to meet your daily clinical needs across a comprehensive application range. It ensures higher diagnostic confidence with comprehensive clinical capabilities including high quality color Doppler, pulsed wave Doppler and optional continuous wave Doppler. Ultra-sensitive, wideband transducers, matched with user-selectable MultiHertz™ multiple frequency imaging, improve resolution and penetration. Depending on the transducer, the user can select up to five 2D and Tissue Harmonic Imaging (THI) frequencies and two color and spectral Doppler frequencies, expanding the clinical versatility of a single transducer, and thereby maximizing transducer investment. Standard features include: - Tissue Harmonic Imaging (THI) - Color Doppler - PW Doppler - DIMAQ-IP integrated ultrasound workstation - CINE Review - Multi-beam formation technology - DTO™ Dynamic Tissue Optimization technology - Anatomical M-mode for Cardiac exam types - Ateaching file utility to enhance medical education - Patient information privacy tools - Three (3) high density array ports The ACUSON X300 PE also supports a unique customizable control panel design with backlighting to provide optimal workflow in a wide range of clinical environments, tailored to the individual clinical user. In addition to the high level of standard features, the ACUSON X300 PE system offers a variety of imaging and workflow solutions. ACUSON X300 PE system*: Applications: - Abdomen - Renal - OB/GYN - Early Obstetrics - Small Parts - Musculoskeletal - Adult Cardiac - Adult Trans Esophageal Echo - Intra Cardiac Echo - Pediatric Cardiac - Stress Echo - Cranial - Vascular - Emergency Medicine

/ Product	Description
(Continued) **ACUSON X300PE System100V-230V 17"FPD**	Purchaseable Options: - DICOM 3.0 connectivity - DICOM Modality Worklist - DICOM MPPS - DICOM Structured Reporting for OB/GYN - DICOM Structured Reporting for Cardiac - DICOM Structured Reporting for Vascular - TGO™ tissue grayscale optimization technology - *four*Sight™4D ultrasound imaging technology - Advanced *four*Sight™technology - Stress Echo - QuikStart Option - DTI™ Doppler tissue imaging capability - Clarify™ vascular enhancement technology - SieScape™ panoramic imaging - SieClear™ multi-view spatial compounding - *syngo*® Arterial Health Package - *syngo*® Velocity Vector Imaging™ technology - *syngo*® Auto Left Heart - *syngo*® *four*Sight™ TEE View - *syngo*® Mitral Valve Assessment Package - Pocket Accessory - CARTOSOUND™ Communications ACUSON X300 PE system - *Women's Imaging**: Applications: - Abdomen - Renal - OB/GYN - Early Obstetrics - Small Parts Purchaseable Options: - DICOM 3.0 connectivity - DICOM Modality Worklist - DICOM MPPS - DICOM Structured Reporting for OB/GYN - TGO™ tissue grayscale optimization technology - *four*Sight™4D ultrasound imaging technology - Advanced *four*Sight™technology - QuikStart Option - DTI™ Doppler tissue imaging capability - Clarify™ vascular enhancement technology - SieScape™ panoramic imaging - SieClear™ multi-view spatial compounding - *syngo*® Velocity Vector Imaging™ technology - Pocket Accessory (*) Dependent upon hardware, options and transducers selected. Future performance enhancements may require software upgrades to maximize and protect your original investment over time. The CardioVascular Option enables continuous wave Doppler and an ECG module for Cardiac and Vascular applications that require these fundamental capabilities
Operating System, USA ENG, X300 7.5	The operating system software supports standard applications, exam specific imaging presets, measurements, pictograms, annotations, reports, worksheets and system diagnostics. Set includes: - Printed User and Reference manual set in English

/ Product	Description
(Continued) **Operating System, USA ENG, X300 7.5**	- 1 CD with electronic version of the User and Reference manuals - English control panel overlay
Quick Start Option, X300	The QuikStart Option, X300 is intended to support users that require minimal workflow disruption when using their system for portable studies moving from bedside to bedside within their facility by allowing the system to enter a specialized suspend mode.The option includes a customized battery solution to support special system power supply hardware.
Plus Option, X300 PE	The following transducers deliver enhanced performance with installation of the Plus Option: C7F2, EV9F4, C6-2, CH5-2, VF8-3, VF10-5 VF13-5, VF13-5sp, BP9-4 and C8-5.
GI Adv Imaging Bundle, X300 PE	TGO™ tissue grayscale optimization technology provides one-button image optimization to improve the consistency and quality of ultrasound imaging and enhance productivity. TGO technology automatically adjusts to the tissue type being imaged and can be used with every transducer, for every exam type at every imaging frequency, including THI. Clarify™ vascular enhancement (VE) technology is a real-time, adaptive, pixel-by-pixel analysis implemented through a simple, time-saving user interface that provides multiple levels of clarification to optimize tissue contrast resolution and definition of both tissue and vessel according to user preference. Clarify VE technology is available on all curved and linear transducers. SieClear™ multi-view spatial compounding uses multiple lines of sight to increase contrast resolution and improve tissue differentiation of low contrast lesion. Tissue boundaries and interfaces appear sharper and more continuous. SieClear compounding is accessible in THI and all mixed modes and is compatible with other advanced imaging options including SieScape™ panoramic imaging, 3-Scape™ real-time 3D imaging, TGO™ ultrasound technology and Clarify™ vascular enhancement technology. SieScape™ panoramic imaging allows acquisition and display of grayscale panoramic images up to 60 cm in length to a maximum curvature of 360 degrees. SieScape imaging is available on all curved and linear transducers and can be displayed in full length on the monitor, rotated, zoomed or reviewed frame by frame for more detailed viewing. Measurement capability is supported. Dynamic TCE™ technology is an advanced proprietary real-time processing algorithm that enhances tissue contrast resolution and reduces speckle improving border definition.
DICOM Bundle, X300	DICOM Connectivity, X300 provides digital image transfer via a DICOM network for both printing and storage. With this option installed, the ACUSON X300™ ultrasound system acts as a DICOM Storage Service Class User (SCU) and DICOM Print Service Class User, and can be connected to a DICOM color or grayscale Printer, and/or to DICOM workstation and archive devices. In-Progress Store functionality allows individual transfer during an active exam. DICOM Worklist, X300 allows query and direct download from HIS/RIS/CIS system of the patient work schedule to the ACUSON X300™ ultrasound system. This option allows the user to automatically populate the "New Patient" screen with patient demographic information. DICOM MPPS, X300 is used in conjunction with DICOM Modality Worklist to query and retrieve scheduled procedure information from a HIS and/or a RIS, and to set the status. To be compatible with this functionality, the Hospital or Departmental Information System must include a DICOM Modality Performed Procedure Step server and a DICOM Modality Worklist server. DICOM SR Cardiac*, DICOM SR OB/GYN *and DICOM SR* Vascular (Structured Reporting) provide a standardized measurement results/report architecture to allow for easy transfer of Cardiac, OB/GYN and Vascular measurements to offline PCs, workstations and archiving systems. DICOM Structured Reporting will automatically populate measurement results to their respective fields in an external software package. * Please note that DICOM Structured Reporting (SR) is not supported on the ACUSON X300 system, R2.0 with *syngo*® Dynamics.

/ Product	Description
VF13-5SP Transducer	VF13-5SP, Special Procedure **A lightweight, off-set "T" shaped transducer with a small footprint (35.9mm azimuth, 2.5mm elevation) and Virtual Format capabilities. Intraoperative applications are facilitated by a special, ergonomically designed form factor and a lightweight, 2.4m long cord. Transducer frequency ranges from 5MHz-13MHz with an optimal imaging depth between 3 and 30mm. Primary applications include intraoperative scanning for carotid endarterctomies, vein grafts, renal arteries and spinal surgery with secondary applications in musculoskeletal and small parts.**
User and Ref Manual, ENG X300 7.0 / 7.5	Includes 3 separate, bound documents: - System Reference: Provides the detailed process steps to execute a system function (e.g. how to perform color Doppler, how to perform a measurement, etc.) - Instructions for Use: Provides a high level overview of the entire system - Transducer Reference: Provides the technical descriptions of the transducer, including safety and care. Includes 1 CD with complete set of operating instructions.
X300 Service Manual	Technical training is recommended to properly service the system when using advanced instructions in this manual and is available through the local Siemens Service organization for a separate charge