

V.A. MEDICAL CENTER
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PO# 673-B30010

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 such as a 17" monitor to meet your daily clinical needs across a comprehensive application range.
1	X300 7.0 SW Operating software ACUSON X300(tm) ultrasound system Premium Edition (PE) release 7.0.
1	Operating Sys,USA ENG,X300 PE 7.0 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	Cardiac Adv Imaging Bundle, X300 PE The Cardiac Advanced Imaging Bundle enables the following popular options in an easy to order value package: (10133033) TGO Technology, X300 (10427802) DTCE, X300 PE (10132996) Doppler Tissue Imaging, X300
1	CV Quantification Bundle, X300 PE

The CV Quantification Bundle enables the following popular options in an easy to order value package: (10348542) syngo Auto Left Heart, X300 (10427823) syngo Arterial Health Package, X300 PE (10427798) Adv Stress Echo, X300 PE

1 **Adv. Cardio-Vascular Opt, X300 PE**

Adv Cardio-Vascular option, X300 PE enables steerable continuous wave Doppler, continuous wave Doppler and an ECG module for Cardiac and Vascular applications that require these fundamental capabilities. Includes Axisus(tm) edge assisted Ejection Fraction software application.

1 **ECG Lead, USA Type (AHA), X300 PE**

3 lead ECG cables that support the American Heart Association (AHA) standard colors for attachment to monitoring electrodes.

1 **Dual Foot Switch, X Class**

Dual-control, programmable foot switch.

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.

1 **ICE Option, X300**

This option enables use of the ACUSON AcuNav(tm) ultrasound catheters (8F and 10F) for Intracardiac Echo (ICE) procedures.

1 **AcuNav User Manual Set (English)**

The AcuNav Diagnostic Ultrasound Catheter User Manual is a supplement to the ACUSON Sequoia(tm), ACUSON Aspen(tm), ACUSON Cypress(tm) and ACUSON CV70(tm) cardiovascular system user manuals. - Provides detailed information on the proper usage of the AcuNav catheter and the SwiftLink(tm) catheter connector- Should be read completely before using the catheter The information about this product is being provided for planning purposes.

1 **CARTOSOUND Communication, X300 PE**

A license which enables Ethernet communication between the ultrasound system and the Biosense Webster CARTOSOUND(tm) system.

1 **Stress Adapter Cable, X/S**

Enables ECG input from third party monitoring devices to the ultrasound system to support stress echo and critical care workflow.

1 **Ultrasound Apps Training 1 day included**

1 **Additonal onsite training 12 hours**

Up to (12) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.

1 **Additional Manual for Govt-X300 5.0**

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

1 **Offset AcuNav User Manual Set (English) (-\$63.00)**

OPTIONS:

1 **P4-2 Phased Array Transducer**

The P4-2 phased array transducer uses ultra-sensitive wideband 64 element technology for improved resolution and penetration. MultiHertz(tm) multiple frequency imaging and optional additional THI frequencies expand its clinical versatility. Applications: Small footprint abdomen, Cardiac, Renal, OB/GYN Features include: - 2D, M-Mode frequency range: 4 - 2 MHz - Doppler frequency range: 3 - 2 MHz - Active field of view: 90° - Maximum depth: 28 cm on the G40, X150 - Maximum depth: 30cm on the X300 This transducer is compatible with X300

1 **VF8-3 Transducer**

The VF8-3 linear array transducer utilizes high resolution, high density 144-element technology. Compatible with the ACUSON X300(tm) system. This transducer offers user-selectable MultiHertz(tm) multiple frequency imaging, expanding its clinical versatility. Version 2.0 or greater SW required. 3rd Array Port Option (PN 10133035) or 3rd Array Port Field Upgrade Option (PN 10133029) are required for system serial numbers less than 313001.

Detailed Technical Specifications

ACUSON X300 System -ultrasound system - r7.0

/ Product	Description
ACUSON X300PE System100V-230V 17"FPD	<p>The ACUSON X300 PE combines excellent imaging performance with sophisticated workflow advancements to address a wide variety of ultrasound imaging needs.</p> <p>At software version 7.0* and higher, the system includes a standard 17" monitor* and 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.</p> <p>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.</p> <p>Standard features include:</p> <ul style="list-style-type: none"> 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 17" monitor <p>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.</p> <p>In addition to the high level of standard features, the ACUSON X300 PE system offers a variety of imaging and workflow solutions.</p> <p>ACUSON X300 PE system*:</p> <p>Applications:</p> <ul style="list-style-type: none"> Abdomen Renal OB/GYN Early Obstetrics Small Parts Musculoskeletal Adult Cardiac Adult Trans Esophageal Echo Intra Cardiac Echo Pediatric Cardiac Stress Echo Cranial Vascular

/ Product	Description
<p>(Continued)</p> <p>ACUSON X300PE System100V-230V 17"FPD</p>	<p>Emergency Medicine</p> <p>Purchaseable Options:</p> <ul style="list-style-type: none"> - 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 - fourSight™4D ultrasound imaging technology - Advanced fourSight™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® fourSight™ TEE View - syngo® Mitral Valve Assessment Package - Pocket Accessory - CARTOSOUND™ Communications <p>ACUSON X300 PE system - <i>Women's Imaging*</i>:</p> <p>Applications:</p> <p>Abdomen Renal OB/GYN Early Obstetrics Small Parts</p> <p>Purchaseable Options:</p> <ul style="list-style-type: none"> - DICOM 3.0 connectivity - DICOM Modality Worklist - DICOM MPPS - DICOM Structured Reporting for OB/GYN - TGO™ tissue grayscale optimization technology - fourSight™4D ultrasound imaging technology - Advanced fourSight™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 <p>(*) Dependent upon hardware, options and transducers selected.</p> <p>Future performance enhancements may require software upgrades to maximize and protect your original investment over time.</p> <p>The CardioVascular Option enables continuous wave Doppler and an ECG module for Cardiac and Vascular applications that require these fundamental capabilities</p>

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Operating Sys,USA ENG,X300 PE 7.0	<p>The operating system software supports standard applications, exam-specific imaging presets, measurements, pictograms, annotations, reports, worksheets and system diagnostics.</p> <p>Set includes:</p> <ul style="list-style-type: none"> - Printed User and Reference manual set in English - 1 CD with electronic version of the User and Reference manuals - English control panel overlay
Cardiac Adv Imaging Bundle, X300 PE	<p>TGO™ tissue grayscale optimization technology provides one-button image optimization to improve the consistency and quality of ultrasound imaging and enhance productivity.TGO automatically adjusts to the tissue type being imaged and can be used with every transducer, for every exam type and at every imaging frequency, including THI.</p> <p>Dynamic TCE™ tissue contrast enhancement technology is an advanced proprietary real-time processing algorithm that enhances tissue contrast resolution and reduces speckle improving border definition.</p> <p>DTI capability enables assessment of LV diastolic function using real-time Doppler shift information from moving tissue to better visualize and quantify myocardial function.</p> <p>The DTI option supports DTE (Energy), spectral DTI (including quantification) and DTI M-mode. The spectral DTI capability calculation package provides velocity and acceleration measurements and includes a measurement report package.</p> <p>DTI and DTV are supported on the P4-2, P5-1, P8-4, P9-4 and V5Ms transducers and the ACUSON AcuNav™ ultrasound catheters.</p> <p>DTE* is optimized for the P4-2 and P5-1 transducers and requires SW version 5.0 and higher.</p>
CV Quantification Bundle, X300 PE	<p><i>syngo</i>® Auto Left Heart is a robust tool which enhances accuracy and workflow by automatically detecting left ventricular and atrial borders, and generating measurements on typical adult transthoracic images. Based on learned pattern recognition, <i>syngo</i>® Auto Left Heart uses a proprietary Siemens artificial intelligence-based methodology.</p> <p>Using routine apical 2 chamber and apical 4 chamber views, end systolic and diastolic segments, the following standard cardiac cycle measurements can be calculated:</p> <ul style="list-style-type: none"> end-diastolic volume end-systolic volume, ejection fraction volume - time curve <p>The <i>syngo</i>® Arterial Health Package (AHP) is an quantification application to assess arterial health. This noninvasive method to evaluate cardiovascular risk contains a semi-automated intima-medial thickness (IMT) measurement, calculates a Vascular Age and Framingham Risk Factors. Validated for adults 40 to 70 years of age</p> <p>In addition to the features in the standard Stress Echo package the Advanced Stress Echo package includes:</p> <ul style="list-style-type: none"> - Factory defined protocols covering a wide range of exams from Exercise to Pharmacologic Stress Echo - Ability to create user-defined protocols - Flexible review formats aid visual analysis - Supports Wall Motion Scoring - Supports LV Analysis - Configurable acquisition types (Prospective, Retrospective and Continuous capture) to support different exams and preferences - Auto Review to help ensure that the appropriate clip is captured in addition to the ability to save multiple clips per view for greater flexibility during review comparison and wall motion scoring - Ability to quickly pause a protocol allows for easy acquisition of clips and images outside of the protocol and the ability to pause continuous acquisition helps to minimize the number of clips for view selection, improving workflow - Both 16 and 17 segment models are available for Wall Motion Scoring

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Adv. Cardio-Vascular Opt, X300 PE	This option includes display of ECG trace, respiratory trace derived from the ECG leads and an auxiliary input to support input of trace signals from third party monitoring devices.

Product	Description
ECG Lead, USA Type (AHA), X300 PE	Lead ends are replaceable. Includes a starter set of monitoring electrodes.
DICOM Bundle, X300	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>* Please note that DICOM Structured Reporting (SR) is not supported on the ACUSON X300 system, R2.0 with syngo® Dynamics.</p>
ICE Option, X300	<ul style="list-style-type: none"> - Intracardiac imaging visualizes cardiac and great vessel anatomy, blood flow, and other devices located within the heart. - Miniaturized, longitudinally-fired, 64-element phased array transducer - 2D, M-mode, color M-mode, PW Doppler and CW spectral Doppler, color Doppler and Doppler Tissue Imaging if DTI Option is purchased <p>The ICE Option, X300 includes: Swiftlink Adapter, X300 (P/N 10348560) box of sterile, single-use covers for the SwiftLink connector User manual supplement (CD-ROM Format) Note: ACUSON AcuNav ultrasound catheters sold separately.</p>
US_APPS_INCL1D Ultrasound Apps Training 1 day included	<p><u>One (1) Day System Installation Applications Training</u></p> <p>One day on-site general system installation applications 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 no charge applications day. Additional training may be purchased.</p>
4USSVC21 Additional Manual for Govt-X300 5.0	<p>p/n 10427778</p> <p>The English manual set for the ACUSON X300™ ultrasound system, premium edition includes the following in print and on disk: Instructions For Use Features and Applications Reference System Reference Electromagnetic Emissions and Immunity: Guidance and Manufacturer's Declaration</p> <p>p/n 10133030</p> <p>The Service Manual provides instructions to help users perform basic and advanced service functions for the system. 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.</p>