


Revolutionize the Way You Work

The First Pocket Ultrasound System



The ACUSON P10™ ultrasound system is the first pocket ultrasound imaging device providing physicians and clinical personnel with earlier, faster and more accurate clinical assessment at the point of care. The ACUSON P10 system revolutionizes existing assessment and examination protocols via the extension of the physical exam in cardiology, emergency medicine care and obstetrics.

The ACUSON P10 system is the ideal solution when it comes to supporting triage decisions, bedside monitoring, and traditional diagnosis, by providing additional information during the clinical assessment. With its instant power-up capabilities, exceptional image quality and a simplified user interface, the ACUSON P10 system is available immediately — anytime, anywhere you need it — helping you to make more informed, more confident decisions.

In cardiology, the ACUSON P10 enables you to visualize basic anatomy, function, and effusion as part of an initial patient assessment, routine follow-up, or in pre/post procedure care in the ICU/CCU.

In emergency medicine, the ACUSON P10 system eliminates the usual delays in assessing free fluid, cardiac activity, and AAA, as well as enabling ultrasound guidance for para/thora-centesis.

In obstetrics, the ACUSON P10 system gives physicians and midwives a quick and comprehensive overview on fetal positioning, anatomy, heart beat, fluid levels and placenta location during labor or routine office visits.

Benefits at a Glance

- Improved patient care, improved workflow, improved outcomes
- Faster, better-informed, and more confident diagnosis
- Faster time to triage
- More secure care path decisions
- Fits into coat pocket for instant availability

Technical Specifications

System Specifications

- 2D-mode imaging in fundamental and harmonic modes
- Image depth from 4 cm to 24 cm
- Up to 28 frames per second
- ~10 second startup time
- Removable, rechargeable Li ion battery
- Digital dynamic exam acquisition, storage, review, and transfer via integrated SD™ Memory Card
- Kensington Security Slot for laptop-style physical security
- Docking station/dual battery charger
- P10 Viewer™ PC-based offline utility software

Imaging

- Up to 64 processing channels
- 78 degree scan angle
- Adjustable gain
- TGO™ tissue grayscale optimization technology
- Configurable signal processing hardware provides a pathway for future performance expansion and technology innovations

Software Specifications

- Intuitive PDA-like user interface
- Application presets for cardiac, abdominal, and obstetric imaging
- Storage and retrieval of patient and study data to removable SD Card memory
 - Lossless digital acquisition of still frame and CINE image data (2 second clips)

ACUSON P10 Ultrasound System
Personal. Powerful. Pocket.

www.pocketultrasound.com

SIEMENS
medical

- Frame by frame and/or continuous CINE loop review
- Up to 30,000 still frame or 500 CINE images on a 1 GB SD Card (~33 kB for still image, 2 MB for 2 sec CINE loop)
- Measurements (2 Calipers, 1 Ellipse per image frame), available on current as well as saved/retrieved images
- Pre-defined application based annotations
- Patient worklist import from P10 Viewer (non DICOM) or local entry via QWERTY keypad
- On-Screen Menus for easy and immediate access to secondary controls
- Alphanumeric keyboard for text entry

Transducer Technology

- ACUSON P4-2 phased array transducer for abdominal, renal, obstetrics, transthoracic adult/pediatric cardiology, emergency medicine (EM)
- Frequency range: 2 – 4 Mhz
- Tissue harmonic imaging
- 4 cm – 24 cm display depth
- 64 elements
- 16.6 mm x 14 mm array footprint

Display

- 3.7 in (diagonal) LCD display, 640 x 480 pixels
- Wide viewing angle (80 degree typical)
- Adjustable tilt angle (0 – 170 degrees)
- Adjustable brightness
- Battery saving display power management

Documentation Devices and Connections Supported

- SecureDigital™ SD Memory card (24 mm x 32 mm x 2.1 mm) up to 2 GB
- USB 1.1 slave port (5 pin mini-B USB connector)

Acoustic Output Management

- On-screen acoustic power indicator (AIUM/NEMA output display standard)

Language Support

- Image screen and operating instructions available in English, German, French, Spanish, and Italian

Docking Station

- Dual bay battery charger with ports for ACUSON P10 system, spare battery, and probe to double as a carrying case
- Wall mount or desktop use
- Universal AC input
- Fully charges batteries in 2.5 hrs (75% charge in 1 hr)

Hardware Specifications

- Single unit with integrated transducer, display, and control panel
- **Handheld** — Height 54 mm (2.1 in), Width 97 mm (3.8 in), Length 142 mm (5.6 in)
- Transducer: Length 137 mm (5.38 in); Width 47.8 mm (1.88 in); Height 31.8 mm (1.25 in)
- Docking station: Weight 953 kg (2.1 lbs); Length 279 mm (11.0 in); Width 279 mm (11.0 in); Height 92.2 mm (3.63 in)

P10 Viewer Software

Patient Study Management

- Search and sort patient database by Name, ID, Study Date Range, Exam type, and Study Status
- Create patient worklists and transfer them to the ACUSON P10 system to speed up exam time by eliminating the need to key in patient information
- Import patient data (still frame and CINE image data, measurements, and annotations) directly from the ACUSON P10 system via the USB port, from an SD Memory Card reader, or from a local or network disk location
- View and edit patient demographic information

Image Display

- Display digitally stored images and clips in a selectable 1-up, 4-up, or 9-up screen format
- VCR-style controls for CINE replay
- Export image data to *.avi, *.jpg, *.bmp
- Study status of Pending, Read, and Deleted
- Single button load of next/previous Patient Study to optimize review workflow

P10 System Management

- Move, Copy, Delete studies from the SD Memory Card
- Upload memory logs from ACUSON P10 system to enable service and support
- Download software updates to enable new system features, install presets for new applications, and bug fixes

ACUSON, P10, and P10 Viewer are trademarks of Siemens Medical Solutions USA, Inc.

©11.2007, Siemens Medical Solutions USA, Inc.
Order No. A91US-69-1C-4A00
Printed in USA
WS 1107

Headquarters

Siemens Medical Solutions USA, Inc.
51 Valley Stream Parkway
Malvern, PA 19355-1406 USA
Telephone: +1-888-826-9702
www.usa.siemens.com/medical

Europe: +49 9131 84-0
Asia Pacific: +65 6341 0990
Latin America: +1-786-845-0697

USA

Siemens Medical Solutions USA, Inc.
Ultrasound Division
1230 Shorebird Way
P.O. Box 7393
Mountain View, CA 94039-7393 USA
Telephone: +1-888-826-9702