ACUSON SC2000™ Ultrasound System
Release 4.0
The products/features mentioned in this document may not be commercially available in all countries. Due to regulatory reasons their future availability cannot be guaranteed. Please contact your local Siemens organization for further details.
Z6Ms Transducer

Frequency Bandwidth: 3.0 – 6.3 MHz

Compatible With: ACUSON SC2000™ Ultrasound System

Applications: Transesophageal Echo

Design Attributes:
• Matrix array with active electronics for transesophageal real-time full volume imaging
• Supports bi-plane, 2D, color Doppler (CDV, DTV), spectral Doppler (PW, PW DTI, CW), M-mode, color M-mode, and full volume imaging in B-mode and color Doppler
• Endoscope diameter = 10.2 mm, length = 100 cm
• Tip size: width = 15.5 mm, height = 12 mm, circumference = 49.8 mm
• Ergonomic design with one hand control and programmable buttons

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4Z1c Transducer

Frequency Bandwidth: 1.5 – 3.5 MHz

Applications: Transthoracic Adult Echo, Volume Stress Echo, Contrast Agent Studies

Design Attributes:
• Matrix array with active electronics designed for transthoracic adult full volume echocardiography
• Supports volume imaging, 2D, color Doppler (CDV, DTV, DTE), spectral Doppler (PW, DTI) and alternate line phased contrast agent imaging*
• Patented active cooling
  – The 4Z1c transducer features a revolutionary, patented active cooling technology. Active cooling enables the 4Z1c transducer to image with full output power within regulatory limits, resulting in improved penetration, reduced noise and high volume acquisition rates when compared to conventional 3D transducers
• Patented ergonomic design
  – Elastogrip™ ergonomic grip coating and palmar shape reduce operator fatigue

* At the time of publication, the U.S. Food and Drug Administration has cleared ultrasound contrast agents only for use in LVO. Check the current regulations for the country in which you are using this system for contrast agent clearance.
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10V4 Transducer

Frequency Bandwidth: 4 – 10 MHz

Compatible With:
- ACUSON SC2000 ultrasound system, Release 3.0 and later
- ACUSON S3000 ultrasound system
- ACUSON S2000 ultrasound system
- ACUSON S1000 ultrasound system
- ACUSON Sequoia ultrasound system

Applications:
- Neonatal Echo, Pediatric Echo

Design Attributes:
- Vector imaging format
- User-selectable MultiHertz Imaging

V5Ms Transducer

Frequency Bandwidth: 3 – 7 MHz

Compatible With:
- ACUSON S3000 ultrasound system
- ACUSON S2000 ultrasound system
- ACUSON S1000 ultrasound system
- ACUSON X700 ultrasound system
- ACUSON X300™ ultrasound system PE
- ACUSON Sequoia ultrasound system

Applications:
- Transeosophageal Echo

Design Attributes:
- Endoscope diameter = 10.5 mm, length = 110 cm
- Adult tip size: width = 14.5 mm, height = 11.5 mm
- Ergonomic design featuring one-hand control with variable speed rotation: 90° per sec
- RF shielding
- User-selectable MultiHertz imaging

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### V7M Transducer

**Frequency Bandwidth:** 4 – 8 MHz  
**Compatible With:** ACUSON SC2000 ultrasound system, Release 3.0 and later  
ACUSON S3000 ultrasound system  
ACUSON S2000 ultrasound system  
ACUSON S1000 ultrasound system  
ACUSON Sequoia ultrasound system  

**Design Attributes:**  
- Endoscope diameter = 7.0 mm; length = 70 cm  
- Small tip size for increased patient comfort: width = 10.9 mm, thickness = 8.0 mm, circumference = 22 mm  
- Ergonomic design featuring one-hand control  
- Manual rotation: -10° – 190°  
- Vector Imaging format phased array  
- User-selectable MultiHertz Imaging  

### 9L4 Transducer

**Frequency Bandwidth:** 4 – 9 MHz  
**Compatible With:** ACUSON S3000 ultrasound system  
ACUSON S2000 ultrasound system  
ACUSON S1000 ultrasound system  
ACUSON Sequoia ultrasound system  

**Applications:** Carotid, Peripheral Vascular Arterial, Peripheral Vascular Venous  

**Design Attributes:**  
- Multi-D matrix transducer  
- Ergonomically designed form factor  
- Lightweight transducer with flexible cable  
- User-selectable MultiHertz multiple frequency imaging  
- Harmonic compounding
6C1 HD Transducer

Frequency Bandwidth: 1.5 – 6.0 MHz

Compatible With:
- ACUSON SC2000 ultrasound system, Release 3.5 and later
- ACUSON S3000 ultrasound system
- ACUSON S2000 ultrasound system
- ACUSON S1000 ultrasound system

Applications:
- Abdomen

Design Attributes:
- Curved Vector imaging format
- Hanafy lens transducer technology
- User-selectable MultiHertz imaging
- Ergonomic design with ElastoGrip ergonomic grip coating

Aux CW

Compatible With:
- ACUSON S3000 ultrasound system
- ACUSON S2000 ultrasound system
- ACUSON S1000 ultrasound system
- ACUSON X700 ultrasound system
- ACUSON X300 ultrasound system

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### AcuNav V

<table>
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<tr>
<th>Specification</th>
<th>Value</th>
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<tr>
<td>Frequency Bandwidth</td>
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<tr>
<td>Maximum Display Depth</td>
<td>160 mm</td>
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<tr>
<td>Compatible With</td>
<td>ACUSON SC2000 ultrasound system, Release 2.0 and later</td>
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<tr>
<td>Applications</td>
<td>Adult Intracardiac Echocardiography, Pediatric Intracardiac Echocardiography</td>
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</tbody>
</table>

**Design Attributes:**
- 10 French catheter (3.3 mm diameter)
- 90 cm insertable length
- Sterile, single-use advanced miniaturization ACUSON AcuNav ultrasound catheter family
- Reusable Swiftlink V catheter connector
- Four-way steering in two planes: 160° in each direction
- Longitudinal side-fire imaging
- Vector imaging format
- DTI capability

### SoundStar 10F+

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tr>
<td>Frequency Bandwidth</td>
<td>4.0 – 10.0 MHz</td>
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<tr>
<td>Compatible With</td>
<td>ACUSON X700 ultrasound system, ACUSON X300 ultrasound system, premium edition, ACUSON Sequoia C512 echocardiography system, ACUSON Sequoia C256 echocardiography system</td>
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<tr>
<td>Applications</td>
<td>Intracardiac Echocardiography</td>
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</tbody>
</table>

**Design Attributes:**
- 10 French catheter (3.3 mm diameter)
- 90 cm insertable length
- Sterile, single-use advanced miniaturization ACUSON AcuNav ultrasound catheter family
- Reusable Swiftlink catheter connector
- Four-way steering in two planes: 160° in each direction
- Longitudinal side-fire imaging
- Supported by CARTO 3 Mapping System from Biosense Webster

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*For purchase or inquiries, contact Biosense Webster: USA (+1-909-839-8500 and +1-800-729-9010), Belgium +32-2-352-1411, Asia Pacific +(65) 6827-6100.

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Frequency Bandwidth measurements represent bandwidth at ± 20 dB.

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AcuNav, ACUSON, ACUSON P50, ACUSON S1000, ACUSON S2000, ACUSON S3000, ACUSON SC2000, ACUSON X300, ACUSON X700, CV70, Cypress, DTI, Elastogrip, Multi-D, MultiHertz, Sequoia, SwiftLink and Vector are trademarks of Siemens Medical Solutions USA, Inc.