ACUSON X300™ Ultrasound System, Premium Edition (PE)
Release 7.0

www.siemens.com/ultrasound
## TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>TABLE OF CONTENTS</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH5-2 Transducer</td>
<td>3</td>
</tr>
<tr>
<td>C6-2 Transducer</td>
<td>3</td>
</tr>
<tr>
<td>C7F2 Transducer</td>
<td>4</td>
</tr>
<tr>
<td>C8-5 Transducer</td>
<td>4</td>
</tr>
<tr>
<td>P4-2 Transducer</td>
<td>5</td>
</tr>
<tr>
<td>P5-1 Transducer</td>
<td>5</td>
</tr>
<tr>
<td>P8-4 Transducer</td>
<td>6</td>
</tr>
<tr>
<td>P9-4 Transducer</td>
<td>6</td>
</tr>
<tr>
<td>VF8-3 Transducer</td>
<td>7</td>
</tr>
<tr>
<td>VF10-5 Transducer</td>
<td>7</td>
</tr>
<tr>
<td>VF13-5SP Transducer</td>
<td>8</td>
</tr>
<tr>
<td>VF13-5 Transducer</td>
<td>8</td>
</tr>
<tr>
<td>V5Ms Transducer</td>
<td>9</td>
</tr>
<tr>
<td>EV9-4 Transducer</td>
<td>9</td>
</tr>
<tr>
<td>EV9F4 Transducer</td>
<td>10</td>
</tr>
<tr>
<td>EC9-4 Transducer</td>
<td>10</td>
</tr>
<tr>
<td>BP9-4 Transducer</td>
<td>11</td>
</tr>
<tr>
<td>CW5 Transducer</td>
<td>11</td>
</tr>
<tr>
<td>CW2 Transducer</td>
<td>12</td>
</tr>
<tr>
<td>AcuNav 10F</td>
<td>12</td>
</tr>
<tr>
<td>AcuNav 8F</td>
<td>13</td>
</tr>
</tbody>
</table>
CH5-2 Transducer

Frequency Bandwidth: 1.4 – 5.0 MHz

Compatible with:
- ACUSON X300™ ultrasound system
- ACUSON X150™ ultrasound system
- SONOLINE G60 S™ ultrasound system
- SONOLINE G40™ ultrasound system

Exam Types: Abdomen, Early OB, Emergency Medicine, Fetal Echo, OB/GYN, Peripheral Vascular, Renal, Urology, Venous

Design Attributes:
- Wide bandwidth curved array transducer
- Hanafy lens transducer technology
- User-selectable MultiHertz™ multiple frequency imaging
- Ergonomically designed form factor
- Lightweight transducer with flexible cable

C6-2 Transducer

Frequency Bandwidth: 1.8 – 6.0 MHz

Compatible with:
- ACUSON X500™ ultrasound system
- SONOLINE G60 S ultrasound system
- ACUSON CV70™ cardiovascular system

Exam Types: Abdomen, Aorta, Early OB, Fetal Echo, OB/GYN, Pediatric Abdomen, Pediatric Echo, Peripheral Vascular, Renal, Venous

Design Attributes:
- Wide bandwidth curved array transducer
- User-selectable MultiHertz imaging
- Ergonomically designed form factor
- Lightweight transducer with flexible cable
- Curved Vector Format
**C7F2 Transducer**

**Frequency Bandwidth:** 1.9 – 6.4 MHz

**Compatible with:** ACUSON X500 ultrasound system

**Exam Types:** Abdomen, Early OB, Fetal Echo, OB/GYN

**Design Attributes:**
- Wide bandwidth curved array transducer
- User-selectable MultiHertz imaging
- Ergonomically designed form factor
- Lightweight transducer with flexible cable
- Curved Vector Format

**C8-5 Transducer**

**Compatible with:** ACUSON X300 ultrasound system

**Exam Types:** Cerebrovascular, Neonatal Head, Pediatric Abdomen, Pediatric Echo

**Design Attributes:**
- Wide bandwidth micro-curved array transducer
- User-selectable MultiHertz imaging
- Ergonomically designed form factor
- Lightweight transducer with flexible cable
P4-2 Transducer

Frequency Bandwidth: 1.3 – 4.4 MHz

Compatible with:
- ACUSON X300 ultrasound system
- ACUSON X150 ultrasound system
- SONOLINE G40 ultrasound system

Exam Types:
- Abdomen, Adult Echo, Emergency Medicine, OB/GYN, Renal, Transcranial

Design Attributes:
- Wide bandwidth phased array transducer
- User-selectable MultiHertz imaging
- Ergonomically designed form factor
- Lightweight transducer with flexible cable

P5-1 Transducer

Frequency Bandwidth: 1.4 – 5.6 MHz

Exam Types:
- Abdomen, Adult Echo, Emergency Medicine, Pediatric Echo, Transcranial

Design Attributes:
- Wide bandwidth phased array single crysal piezoelectric transducer
- User-selectable MultiHertz imaging
- Ergonomically designed form factor
- Lightweight transducer with flexible cable
**P8-4 Transducer**

**Frequency Bandwidth:** 2.7 – 8.0 MHz

**Compatible with:**
- ACUSON X150 ultrasound system
- SONOLINE G40 ultrasound system

**Exam Types:**
- Abdomen, Neonatal Echo, Neonatal Head, Pediatric Abdomen, Pediatric Echo, Renal

**Design Attributes:**
- Wide bandwidth phased array transducer
- User-selectable MultiHertz imaging
- Ergonomically designed form factor
- Lightweight transducer with flexible cable

---

**P9-4 Transducer**

**Frequency Bandwidth:** 2.8 – 9.2 MHz

**Compatible with:**
- ACUSON X300 ultrasound system
- ACUSON X500 ultrasound system
- ACUSON CV70 cardiovascular system
- SONOLINE G60 S ultrasound system

**Exam Types:**
- Neonatal Echo, Neonatal Head, Pediatric Abdomen, Pediatric Echo

**Design Attributes:**
- Wide bandwidth phased array transducer
- User-selectable MultiHertz imaging
- Ergonomically designed form factor
- Lightweight transducer with flexible cable
VF8-3 Transducer

Frequency Bandwidth: 2.5 – 10.0 MHz

Compatible with: ACUSON X300 ultrasound system

Exam Types: Breast, Cerebrovascular, Emergency Medicine, Musculoskeletal, Orthopedic, Peripheral Vascular, Testicle, Thyroid, Venous

Design Attributes:
- Wide bandwidth linear transducer
- Virtual format imaging
- User-selectable MultiHertz imaging
- Ergonomically designed form factor
- Lightweight transducer with flexible cable

VF10-5 Transducer

Frequency Bandwidth: 4.0 – 11.4 MHz

Compatible with: ACUSON X300 ultrasound system
ACUSON X150 ultrasound system
SONOLINE G40 ultrasound system

Exam Types: Breast, Cerebrovascular, Emergency Medicine, Musculoskeletal, Orthopedic, Peripheral Vascular, Testicle, Thyroid, Venous

Design Attributes:
- Wide bandwidth linear transducer
- Virtual format imaging
- User-selectable MultiHertz imaging
- Ergonomically designed form factor
- 2D beam steering
- Lightweight transducer with flexible cable
VF13-5SP Transducer

Frequency Bandwidth: 4.3 – 13.0 MHz

Compatible with:
- ACUSON X300 ultrasound system
- ACUSON X500 ultrasound system
- ACUSON CV70 cardiovascular system
- SONOLINE G60 S ultrasound system
- SONOLINE G50™ ultrasound system
- SONOLINE Elegra™ ultrasound system

Exam Types:
- Breast, Cerebrovascular, Intraoperative, Musculoskeletal, Superficial Musculoskeletal, Superficial Vascular, Testicle, Thyroid, Venous

Design Attributes:
- Wide bandwidth linear transducer
- Virtual format imaging
- User-selectable MultiHertz imaging
- Ergonomically designed form factor
- Lightweight transducer with flexible cable

VF13-5 Transducer

Frequency Bandwidth: 4.4 – 13.0 MHz

Compatible with:
- ACUSON X300 ultrasound system
- ACUSON X150 ultrasound system
- SONOLINE G40 ultrasound system

Exam Types:
- Breast, Cerebrovascular, Digital, Emergency Medicine, Musculoskeletal, Superficial Musculoskeletal, Penile, Superficial Vascular, Testicle, Thyroid, Venous

Design Attributes:
- Wide bandwidth linear transducer
- Virtual format imaging
- User-selectable MultiHertz imaging
- Ergonomically designed form factor
- Lightweight transducer with flexible cable
**V5Ms Transducer**

**Frequency Bandwidth:** 2.7 – 9.0 MHz

**Compatible with:**
- ACUSON S2000™ ultrasound system
- ACUSON Sequoia™ ultrasound system
- ACUSON CV70 cardiovascular system
- ACUSON Cypress™ cardiovascular system
- ACUSON Aspen™ Ultrasound system
- ACUSON 128XP/10C™ echocardiography system

**Exam Types:**
- Transesophageal Echo

**Design Attributes:**
- Wide bandwidth transesophageal transducer
- Endoscope diameter = 10.5 mm, length = 11.0 mm
- 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

---

**EV9-4 Transducer**

**Frequency Bandwidth:** 2.9 – 9.7 MHz

**Compatible with:**
- ACUSON X300 ultrasound system
- ACUSON X150 ultrasound system
- SONOLINE G40 ultrasound system

**Exam Types:**
- Early OB, Emergency Medicine, OB/GYN

**Design Attributes:**
- Wide bandwidth endovaginal transducer
- User-selectable MultiHertz imaging
- Lightweight transducer with flexible cable
**EV9F4 Transducer**

**Frequency Bandwidth:** 2.9 – 9.0 MHz

**Exam Types:** Early OB, OB/GYN

**Design Attributes:**
- Wide bandwidth endovaginal volume transducer
- User-selectable MultiHertz imaging
- Lightweight transducer with flexible cable
- Curved Vector Format

---

**EC9-4 Transducer**

**Frequency Bandwidth:** 2.9 – 9.8 MHz

**Compatible with:**
- ACUSON X300 ultrasound system
- ACUSON X150 ultrasound system
- SONOLINE 640 ultrasound system

**Exam Types:** Early OB, OB/GYN, Urology

**Design Attributes:**
- User-selectable MultiHertz imaging
- Ergonomically designed form factor
- Lightweight transducer with flexible cable
BP9-4 Transducer

<table>
<thead>
<tr>
<th>Frequency Bandwidth:</th>
<th>2.9 – 9.0 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam Types:</td>
<td>Prostate, Urology</td>
</tr>
</tbody>
</table>

Design Attributes:
- Wide bandwidth curved array transducer
- User-selectable MultiHertz imaging
- Ergonomically designed form factor
- Lightweight transducer with flexible cable
- Live Bi-Plane imaging and biopsy

CW5 Transducer

<table>
<thead>
<tr>
<th>Selectable CW Doppler Frequencies:</th>
<th>5.0 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatible with:</td>
<td>ACUSON X300 ultrasound system</td>
</tr>
<tr>
<td></td>
<td>ACUSON X500 ultrasound system</td>
</tr>
<tr>
<td></td>
<td>SONOLINE G60 S ultrasound system</td>
</tr>
</tbody>
</table>

| Exam Types: | Cerebrovascular, Pediatric Echo |
### CW2 Transducer

**Selectable CW Doppler Frequencies:** 2.0 MHz

**Compatible with:**
- ACUSON X300 ultrasound system
- ACUSON X500 ultrasound system
- SONOLINE G60 S ultrasound system

**Exam Types:**
- Adult Echo, Pediatric Echo

---

### AcuNav 10F*

**Frequency Bandwidth:** 2.2 – 11.0 MHz

**Compatible With:**
- ACUSON Sequoia echocardiography system
- ACUSON Cypress cardiovascular system
- ACUSON Aspen ultrasound system
- ACUSON Sequoia ultrasound system

**Exam Types:**
- Intracardiac Echo

**Design Attributes:**
- 10 french catheter (3.3 mm diameter)
- 90 cm insertable length
- Sterile, single-use advanced miniaturization AcuNav™ ultrasound catheter family
- Reusable SwiftLink™ catheter connector
- Four-way steering in two planes: 160° in each direction
- Longitudinal side-fire imaging

* For purchase or inquiries, contact Biosense Webster: USA (1-909-839-8500 and 1-800-729-9010), Belgium (+32-2-352-1411)
AcuNav 8F*

Frequency Bandwidth: 3.0 – 10.0 MHz

Compatible With:
- ACUSON Sequoia echocardiography system
- ACUSON CV70 cardiovascular system
- ACUSON Cypress cardiovascular system
- ACUSON Sequoia ultrasound system

Exam Types:
- Intracardiac Echo

Design Attributes:
- 8 French catheter (2.7 mm diameter)
- 110 cm insertable length
- Sterile, single-use advanced miniaturization AcuNav ultrasound catheter family
- Reusable SwiftLink catheter connector
- Four-way steering in two planes: 160° in each direction
- Longitudinal side-fire imaging

* For purchase or inquiries, contact Biosense Webster: USA (1-909-839-8500 and 1-800-729-9010), Belgium (+32-2-352-1411)
Frequency Bandwidth measurements represent bandwidth at +/-20dB.

128XP/10C, ACUSON, AcuNav, Aspen, CV70, Cypress, Elegra, G40, G50, G60 S, MultiHertz, S2000, Sequoia, SONOLINE, SwiftLink, X150, X300 and X500 are trademarks of Siemens Medical Solutions USA, Inc.

DS 0311 | © 03.2011, Siemens Medical Solutions USA, Inc.