

SIEMENS



Transducers

ACUSON X300™ Ultrasound System, Premium Edition (PE)

Release 7.0

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CH5-2 Transducer

Part Number:	08648086
Frequency Bandwidth:	1.4 – 5.0 MHz
Selectable 2D Frequencies:	2.5, 3.6, 5.0 MHz
Selectable THI Frequencies:	1.5, 1.8, 2.2 MHz
Selectable Color Doppler Frequencies:	2.0, 2.7 MHz
Selectable PW Doppler Frequencies:	2.2, 2.5 MHz
Number of Elements:	128
Footprint:	61.1 mm
Maximum Field of View:	66°
Maximum Display Depth:	300 mm
Biopsy Guide:	Needle Guide Kit, PN 7472314
Biopsy Guide Angles:	45° (A), 30.5° (B)
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

Part Number:	07472686
Frequency Bandwidth:	1.8 – 6.0 MHz
Selectable 2D Frequencies:	3.1, 4.0, 5.0 MHz
Selectable THI Frequencies:	2.0, 2.5 MHz
Selectable Color Doppler Frequencies:	2.5, 3.3 MHz
Selectable PW Doppler Frequencies:	2.5, 3.3 MHz
Number of Elements:	192
Footprint:	73.0 mm
Maximum Field of View:	90°
Maximum Display Depth:	300 mm
Biopsy Guide:	Universal Needle, Stainless, PN 5360489, Guide, PN 5260489
Biopsy Guide Angles	30°
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

Part Number:	10036317
Frequency Bandwidth:	1.9 – 6.4 MHz
Selectable 2D Frequencies:	3.3, 4.2, 5.0 MHz
Selectable THI Frequencies:	2.0, 2.5 MHz
Selectable Color Doppler Frequencies:	2.5, 3.1 MHz
Selectable PW Doppler Frequencies:	2.5, 3.1 MHz
Number of Elements:	192
Footprint:	61.0 mm
Maximum Field of View:	91°
Maximum Display Depth:	300 mm
Biopsy Guide:	Not available
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

Part Number:	10348181
Frequency Bandwidth:	3.1 – 8.8 MHz
Selectable 2D Frequencies:	4.7, 5.7, 7.3 MHz
Selectable THI Frequencies:	3.1, 3.6 MHz
Selectable Color Doppler Frequencies:	4.2, 5.0 MHz
Selectable PW Doppler Frequencies:	4.2, 5.0 MHz
Number of Elements:	160
Footprint:	25.6 mm
Maximum Field of View:	109°
Maximum Display Depth:	140 mm
Biopsy Guide:	Not available
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

Part Number:	08648045
Frequency Bandwidth:	1.3 – 4.4 MHz
Selectable 2D Frequencies:	2.0, 2.5, 2.9, 3.1, 3.6 MHz
Selectable THI Frequencies:	1.3, 1.5, 1.7, 1.8, 2.0 MHz
Selectable Color Doppler Frequencies:	2.0, 2.5, 2.7 MHz
Selectable PW Doppler Frequencies:	2.0, 2.5, 2.7 MHz
Steerable CW Doppler Frequencies:	2.0 MHz
Number of Elements:	64
Footprint:	14 mm x 17 mm
Array Length:	16 mm
Maximum Field of View:	90°
Maximum Display Depth:	300 mm
Biopsy Guide:	Not available
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

Part Number:	10348557
Frequency Bandwidth:	1.4 – 5.6 MHz
Selectable 2D Frequencies:	2.2, 2.7, 3.3, 4.0 MHz
Selectable THI Frequencies:	1.5, 1.7, 1.8, 2.0, 2.2 MHz
Selectable Color Doppler Frequencies:	2.2 MHz
Selectable PW Doppler Frequencies:	2.2 MHz
Steerable CW Doppler Frequencies:	2.2 MHz
Number of Elements:	64
Footprint:	15.4 mm
Maximum Field of View:	90°
Maximum Display Depth:	300 mm
Biopsy Guide:	Not available
Exam Types:	Abdomen, Adult Echo, Emergency Medicine, Pediatric Echo, Transcranial

Design Attributes:

- Wide bandwidth phased array single crystal piezoelectric transducer
- User-selectable MultiHertz imaging
- Ergonomically designed form factor
- Lightweight transducer with flexible cable



P8-4 Transducer

Part Number:	10030615
Frequency Bandwidth:	2.7 – 8.0 MHz
Selectable 2D Frequencies:	3.8, 5.3, 6.7 MHz
Selectable THI Frequencies:	2.7, 3.1 MHz
Selectable Color Doppler Frequencies:	3.6, 4.4 MHz
Selectable PW Doppler Frequencies:	3.6, 4.4 MHz
Steerable CW Doppler Frequencies:	3.6 MHz
Number of Elements:	64
Footprint:	9.6 mm
Maximum Field of View:	90°
Maximum Display Depth:	140 mm
Biopsy Guide:	Not available
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

Part Number:	10026435
Frequency Bandwidth:	2.8 – 9.2 MHz
Selectable 2D Frequencies:	4.0, 5.7, 8.0 MHz
Selectable THI Frequencies:	2.9, 3.6 MHz
Selectable Color Doppler Frequencies:	3.8, 5.0 MHz
Selectable PW Doppler Frequencies:	3.8, 5.0 MHz
Steerable CW Doppler Frequencies:	4.0 MHz
Number of Elements:	64
Footprint:	12 mm
Maximum Field of View:	90°
Maximum Display Depth:	140 mm
Biopsy Guide:	Not available
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

Part Number:	10038590
Frequency Bandwidth:	2.5 – 10.0 MHz
Selectable 2D Frequencies:	4.0, 5.3, 7.3, 10.0 MHz
Selectable THI Frequencies:	2.7, 3.6 MHz
Selectable Color Doppler Frequencies:	3.1, 4.0 MHz
Selectable PW Doppler Frequencies:	3.1, 4.0 MHz
2D Steering Angle:	max +/- 20°
Color Doppler Steering Angle:	max +/- 20°
PW Doppler Steering Angle:	max +/- 20°
Number of Elements:	144
Footprint:	42.2 mm
Maximum Field of View:	125 mm
Maximum Display Depth:	130 mm
Biopsy Guide:	Universal Needle Guide, Stainless, PN 5260489
Biopsy Guide Angles:	47.5°
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

Part Number:	08648110
Frequency Bandwidth:	4.0 – 11.4 MHz
Selectable 2D Frequencies:	6.2, 8.0, 10.0 MHz
Selectable THI Frequencies:	4.0, 4.7 MHz
Selectable Color Doppler Frequencies:	5.3, 6.2 MHz
Selectable PW Doppler Frequencies:	5.3, 6.2 MHz
2D Steering Angle:	max +/- 15°
Color Doppler Steering Angle:	max +/- 12°
PW Doppler Steering Angle:	max +/- 12°
Number of Elements:	128
Footprint:	38.4 mm
Maximum Field of View:	102 mm
Maximum Display Depth:	100 mm
Biopsy Guide:	SG-3 Needle Guide Kit, PN 7296481
Biopsy Guide Angles:	52° (A), 40° (B)
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

Part Number:	07471506
Frequency Bandwidth:	4.3 – 13.0 MHz
Selectable 2D Frequencies:	7.3, 8.9, 11.4 MHz
Selectable THI Frequencies:	5.0, 5.7 MHz
Selectable Color Doppler Frequencies:	6.2, 7.3 MHz
Selectable PW Doppler Frequencies:	6.2, 7.3 MHz
2D Steering Angle:	max +/- 12°
Color Doppler Steering Angle:	max +/- 12°
PW Doppler Steering Angle:	max +/- 12°
Number of Elements:	128
Footprint:	13 mm x 35 mm
Array Length:	25.6 mm
Maximum Field of View:	49 mm
Maximum Display Depth:	60 mm
Biopsy Guide:	Not available
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

Part Number:	10030614
Frequency Bandwidth:	4.4 – 13.0 MHz
Selectable 2D Frequencies:	7.3, 8.9, 11.4 MHz
Selectable THI Frequencies:	4.4, 5.3 MHz
Selectable Color Doppler Frequencies:	6.2, 7.3 MHz
Selectable PW Doppler Frequencies:	6.2, 7.3 MHz
2D Steering Angle:	max +/- 12°
Color Doppler Steering Angle:	max +/- 12°
PW Doppler Steering Angle:	max +/- 12°
Number of Elements:	128
Footprint:	38.4 mm
Maximum Field of View:	61 mm
Maximum Display Depth:	60 mm
Biopsy Guide:	SG-4 Needle Guide Set, PN 7296499
Biopsy Guide Angles:	53°
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

Part Number:	8263703
Frequency Bandwidth:	2.7 – 9.0 MHz
Selectable 2D Frequencies:	4.0, 5.7 MHz
Selectable THI Frequencies:	2.7 MHz
Selectable Color Doppler Frequencies:	3.6 MHz
Selectable PW Doppler Frequencies:	3.6 MHz
Steerable CW Doppler Frequencies:	3.6 MHz
Number of Elements:	64 mm
Maximum Field of View:	87°
Maximum Display Depth:	180 mm
Tip Articulation Range:	Anterior: 120°, Posterior: 90°, Left/Right: 45°
Biopsy Guide::	Not Available
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

Part Number:	08648037
Frequency Bandwidth:	2.9 – 9.7 MHz
Selectable 2D Frequencies:	5.0, 6.7, 8.0 MHz
Selectable THI Frequencies:	2.9, 3.3 MHz
Selectable Color Doppler Frequencies:	4.0, 5.3 MHz
Selectable PW Doppler Frequencies:	4.0, 5.3 MHz
Number of Elements:	128
Footprint:	28 mm
Maximum Field of View:	126°
Maximum Display Depth:	140 mm
Biopsy Guide:	Reusable Needle Guide set, PN 10041823
Biopsy Guide Angles:	1.7°
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

Part Number:	10349026
Frequency Bandwidth:	2.9 – 9.0 MHz
Selectable 2D Frequencies:	4.7, 6.2, 7.3 MHz
Selectable THI Frequencies:	2.9, 3.3 MHz
Selectable Color Doppler Frequencies:	4.2, 5.3 MHz
Selectable PW Doppler Frequencies:	4.2, 5.3 MHz
Number of Elements:	192
Footprint:	38.9 mm (scan direction) x 19.9 mm (sweep direction)
Maximum Field of View:	172°
Maximum Display Depth:	140 mm
Biopsy Guide:	Needle Guide Kit, PN 10031556
Biopsy Guide Angles:	4.2°
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

Part Number:	10030334
Frequency Bandwidth:	2.9 – 9.8 MHz
Selectable 2D Frequencies:	5.0, 6.7, 8.0 MHz
Selectable THI Frequencies:	2.9, 3.3 MHz
Selectable Color Doppler Frequencies:	4.0, 5.3 MHz
Selectable PW Doppler Frequencies:	4.0, 5.3 MHz
Number of Elements:	128
Footprint:	26.2 mm
Maximum Field of View:	126°
Maximum Display Depth:	140 mm
Biopsy Guide:	Disposable Needle Guide Set, PN 10041823
Biopsy Guide Angles:	2°
Compatible with:	ACUSON X300 ultrasound system ACUSON X150 ultrasound system SONOLINE G40 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

Part Number:	10563770
Frequency Bandwidth:	2.9 – 9.0 MHz
Selectable 2D Frequencies:	5.0, 6.7, 8.0 MHz
Selectable THI Frequencies:	2.9, 3.3 MHz
Selectable Color Doppler Frequencies:	4.0, 5.3 MHz
Selectable PW Doppler Frequencies:	4.0, 5.3 MHz
Number of Elements:	2 arrays of 128
Footprint:	25.6 x 4.3 mm
Maximum Field of View:	162°
Maximum Display Depth:	140 mm
Biopsy Guide:	10563771 Dual Disposable 10563772 Stainless Angled
Biopsy Guide Angles:	Straight – parallel to shaft* Angled – 9° from shaft*
Exam Types:	Prostate, Urology

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

* Shaft is angled. Sagittal array tilted upward 31.5°. Transverse array angled 25° forward.



CW5 Transducer

Part Number:	07472777
Selectable CW Doppler Frequencies:	5.0 MHz
Number of Elements:	2
Diameter:	11 mm
Biopsy Guide:	Not Available
Compatible with:	ACUSON X300 ultrasound system ACUSON X500 ultrasound system SONOLINE G60 S ultrasound system
Exam Types:	Cerebrovascular, Pediatric Echo



CW2 Transducer

Part Number:	07472744
Selectable CW Doppler Frequencies:	2.0 MHz
Number of Elements:	2
Diameter:	17 mm
Biopsy Guide:	Not Available
Compatible with:	ACUSON X300 ultrasound system ACUSON X500 ultrasound system SONOLINE G60 S ultrasound system
Exam Types:	Adult Echo, Pediatric Echo



AcuNav 10F*

Part Number:	8255790
Frequency Bandwidth:	2.2 – 11.0 MHz
Selectable 2D Frequencies:	5.0, 6.7, 8.9 MHz
Selectable Color Doppler Frequencies:	4.0, 5.0 MHz
Selectable PW Doppler Frequencies:	4.0, 5.0 MHz
Selectable CW Doppler Frequencies:	5.0 MHz
Number of Elements:	64
Footprint:	7.0 mm
Maximum Field of View:	87°
Maximum Display Depth:	140 mm
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*

Part Number:	8267996
Frequency Bandwidth:	3.0 – 10.0 MHz
Selectable 2D Frequencies:	5.0, 6.7, 8.9 MHz
Selectable Color Doppler Frequencies:	4.0, 5.0 MHz
Selectable PW Doppler Frequencies:	4.0, 5.0 MHz
Selectable CW Doppler Frequencies:	5.0 MHz
Number of Elements:	64
Footprint:	7.0 mm
Maximum Field of View:	87°
Maximum Display Depth:	140 mm
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

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Frequency Bandwidth measurements
represent bandwidth at +/-20dB.

128XP/10C, ACUSON, AcuNav, Aspen,
CV70, Cypress, Elegra, G40, G50, G60 S,
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