

SIEMENS



Transducers

ACUSON S1000 Ultrasound System, HELX Evolution with Touch Control



Table of Contents

The following transducers are available for use with the ACUSON S1000™ ultrasound system, HELX™ with Touch Control:

Curved Transducers

7CF1 Transducer	4
6C2 Transducer	4
4C1 Transducer	5
MC9-4 Transducer	6

Vector Transducers

9EVF4 Transducer	7
8V3 Transducer	7
4V1 Transducer	8
4V1c Transducer	8

Linear Transducers

18L6 HD Transducer	9
14L5 SP Transducer	10
14L5 Transducer	11
9L4 Transducer	12
12L4 Transducer	13

Specialty Transducers

EV-8C4 Transducer	14
4P1 Transducer	14
V7M Transducer	15
V5Ms Transducer	15
CW5 Transducer	16
CW2 Transducer	16
ACUSON AcuNav 8F Ultrasound Catheter	17
ACUSON AcuNav 10F Ultrasound Catheter	18
10V4 Transducer	19



Clinical applications 7CF1 transducer: Abdominal, fetal echo, obstetrics and gynecology, pelvis, renal

7CF1 Transducer

Part Number:	10854248
Frequency Bandwidth:	1.0-7.0
Selectable 2D Frequencies:	3.0, 3.5, 4.5, 6.0 MHz
Selectable THI Frequencies:	H4.0, H5.5, H6.0, H7.0 MHz
Selectable Color Doppler Frequencies:	2.5, 3.25, 3.75 MHz
Selectable PW Doppler Frequencies:	2.5, 3.25, 3.75 MHz
Number of Elements:	192
Footprint:	34 mm x 65 mm
Maximum Field of View:	Lateral/75° sweep angle
Maximum Display Depth:	300 mm
Biopsy Guide:	C7F1 Needle Guide
Biopsy Guide Angles:	30.8°, 22.4°
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Abdomen, Fetal Echo, OB/GYN, Pelvis, Renal
Design Attributes:	<ul style="list-style-type: none"> • Lightweight with flexible cable • Ergonomically designed • User-selectable frequency • Wideband curved array • 99% recyclable
Applications Supported:	<ul style="list-style-type: none"> • 3-Scape™ real-time 3D imaging



Clinical applications 6C2 transducer: Abdominal, fetal echo, obstetrics and gynecology, pediatric abdomen, pelvis, peripheral vascular arterial, peripheral vascular venous, renal

6C2 Transducer

Part Number:	10441849
Frequency Bandwidth:	2.0-6.0 MHz
Selectable 2D Frequencies:	2.5, 4.5, 6.0 MHz
Selectable THI Frequencies:	H4.0, H5.0, H6.0 MHz
Selectable Color Doppler Frequencies:	2.5, 3.25, 3.75 MHz
Selectable PW Doppler Frequencies:	2.5, 3.25, 3.75 MHz
Number of Elements:	192
Footprint:	61 mm
Maximum Field of View:	70°
Maximum Display Depth:	300 mm
Biopsy Guide:	6C2 Needle Guide, PN 10041600
Biopsy Guide Angles:	22°
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Abdomen, Fetal Echo, OB/GYN, Pediatric Abdomen, Pelvis, Peripheral Vascular Arterial, Peripheral Vascular Venous, Renal
Design Attributes:	<ul style="list-style-type: none"> • Vector™ wide-view imaging format • Hanafy lens transducer technology • Ergonomically designed form factor • MultiHertz™ multiple frequency imaging • Patented micro-pinless connector technology • microCase™ transducer miniaturization technology
Applications Supported:	<ul style="list-style-type: none"> • eSie Touch™ elasticity imaging



Clinical applications 4C1 transducer: Abdominal, fetal echo, obstetrics and gynecology, pelvis, renal

4C1 Transducer

Part Number:	10441851
Frequency Bandwidth:	1.0-4.5 MHz
Selectable 2D Frequencies:	2.0, 3.0, 4.0 MHz
Selectable THI Frequencies:	H3.0, H3.5, H3.75, H4.0, H4.5 MHz
Selectable Color Doppler Frequencies:	2.0, 2.5, 3.5 MHz
Selectable PW Doppler Frequencies:	2.0, 2.5, 3.5 MHz
Cadence CPS* Frequencies:	1.5, 2.0, 2.5 MHz
Cadence CHI* Frequencies:	3.0, 3.5, 4.0 MHz
Cadence ADI* Frequencies:	2.0 MHz
Number of Elements:	128
Footprint:	61 mm
Maximum Field of View:	70°
Maximum Display Depth:	300 mm
Biopsy Guide:	4C1 Needle Guide, PN 10041592
Biopsy Guide Angles:	44.3°, 28.8°
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Abdomen, Fetal Echo, OB/GYN, Pelvis, Renal
Design Attributes:	<ul style="list-style-type: none"> • Vector™ wide-view imaging format • Hanafy lens transducer technology • MultiHertz™ multiple frequency imaging • Patented micro-pinless connector technology
Applications Supported:	<ul style="list-style-type: none"> • Cadence™ contrast pulse sequencing (CPS) technology* • Cadence™ contrast harmonic imaging (CHI) technology* • Cadence™ agent detection imaging (ADI) technology • eSie Touch™ elasticity imaging • Axius™ direct ultrasound research interface

* 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.



Clinical applications MC9-4 transducer: Neonatal head, obstetrics and gynecology, prostate

MC9-4 Transducer

Part Number:	10854251
Frequency Bandwidth:	4.0-9.0 MHz
Selectable 2D Frequencies:	4.0, 6.0, 8.0 MHz
Selectable THI Frequencies:	HC7.0, H7.0, H7.5, H8.0 MHz
Selectable Color Doppler Frequencies:	3.75, 5.0, 6.75 MHz
Selectable PW Doppler Frequencies:	3.75, 5.0, 6.75 MHz
Cadence CPS Frequencies*:	4.0, 5.0, 8.0 MHz
Number of Elements:	192
Footprint:	31 mm
Tip Diameter:	21.8 mm
Maximum Field of View:	176°
Maximum Display Depth:	140 mm
Biopsy Guide:	MC9-4 Disp. 5 pk Needle Guide Set MC9-4 Disp. 24 pk Needle Guide Set MC9-4 Reusable Needle Guide Set
Biopsy Guide Angles:	1°
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Neonatal Head, OB/GYN, Prostate
Design Attributes:	<ul style="list-style-type: none"> • Wide field of view curved array transducer • Lightweight transducer with flexible cable • MultiHertz™ multiple frequency imaging • Vector™ wide-view imaging format
Applications Supported:	<ul style="list-style-type: none"> • eSieImage™ multiparametric optimization (HELX™ Evolution VC30B or above only) • Cadence™ contrast harmonic imaging (CHI) technology • Cadence™ contrast pulse sequencing (CPS) technology* • eSie Touch™ elasticity imaging

* 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.



Clinical applications 9EVF4 transducer: Fetal echo, neonatal head, obstetrics and gynecology

9EVF4 Transducer

Part Number:	10441861
Frequency Bandwidth:	4.0-9.0 MHz
Selectable 2D Frequencies:	4.0, 7.0, 9.0 MHz
Selectable THI Frequencies:	H5.0, H7.0, H9.0 MHz
Selectable Color Doppler Frequencies:	4.0, 5.5, 7.5 MHz
Selectable PW Doppler Frequencies:	4.0, 5.5, 7.5 MHz
Number of Elements:	192
Footprint:	30.7 mm
Tip Diameter:	25.5 mm
Maximum Field of View:	173°
Maximum Display Depth:	160 mm
Biopsy Guide:	9EVF4 Needle Guide Kit
Biopsy Guide Angles:	4.2°
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Fetal Echo, Neonatal Head, OB/GYN
Design Attributes:	<ul style="list-style-type: none"> • Wideband endovaginal volumes • Patented micro-pinless connector technology • MultiHertz™ multiple frequency imaging • SuppleFlex™ transducer cable • Multiple frequencies for all modes: 2D, M-mode, Harmonics, color Doppler (Color Doppler Velocity (CDV) and color Doppler energy (CDE) capabilities) and PW Doppler
Applications Supported:	<ul style="list-style-type: none"> • 3-Scape™ real-time 3D imaging



Clinical applications 8V3 transducer: Fetal and neonatal echo, neonatal head, pediatric abdomen, pediatric echo

8V3 Transducer

Part Number:	10441865
Frequency Bandwidth:	2.5-8.0 MHz
Selectable 2D Frequencies:	4.0, 5.0, 6.0, 7.0, 8.0 MHz
Selectable THI Frequencies:	H5.0, H6.0, H7.0 MHz
Selectable Color Doppler Frequencies:	2.5, 3.25, 3.5, 4.5, 5.0 MHz
Selectable PW Doppler Frequencies:	2.5, 3.25, 3.5, 4.5 MHz
Selectable CW Doppler Frequencies:	2.5, 3.5, 4.0, 4.5 MHz
Number of Elements:	128
Footprint:	18 mm
Maximum Field of View:	90°
Maximum Display Depth:	160 mm
Biopsy Guide:	Not available
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Fetal Echo, Neonatal Echo, Neonatal Head, Pediatric Abdomen, Pediatric Echo
Design Attributes:	<ul style="list-style-type: none"> • Hanafy lens transducer technology • Vector™ wide-view imaging format • Patented micro-pinless connector technology • Supported modes: 2D (fundamental and harmonic), M-mode, color Doppler (Color Doppler Velocity capability (CDV), DTI™ Doppler tissue imaging,) and spectral Doppler (PW and CW) • MultiHertz™ multiple frequency imaging



Clinical applications 4V1 transducer: Abdominal, fetal echo, obstetrics and gynecology, pelvis, renal

4V1 Transducer

Part Number:	10441863
Frequency Bandwidth:	1.0-4.5 MHz
Selectable 2D Frequencies:	2.0, 3.0, 4.0 MHz
Selectable THI Frequencies:	HC3.0, H3.0, H3.5, H4.0, H4.5 MHz
Selectable Color Doppler Frequencies:	2.0, 2.75, 3.5 MHz
Selectable PW Doppler Frequencies:	2.0, 2.75, 3.5 MHz
Number of Elements:	128
Footprint:	28.2 mm
Maximum Field of View:	90°
Maximum Display Depth:	300 mm
Biopsy Guide:	4V1 Needle Guide
Biopsy Guide Angles:	31.8°, 17.9°
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Abdomen, Fetal Echo, OB/GYN, Pelvis, Renal
Design Attributes:	<ul style="list-style-type: none"> • Hanafy lens transducer technology • MultiHertz™ multiple frequency imaging • Harmonic compounding • Axius™ direct ultrasound research interface • Vector™ wide-view imaging format • MicroCase™ miniaturization technology • Patented micro-pinless connector technology



Clinical applications 4V1c transducer: Adult and pediatric echocardiography

4V1c Transducer

Part Number:	10441873
Frequency Bandwidth:	1.0-4.5 MHz
Selectable 2D Frequencies:	2.0, 3.0, 4.0 MHz
Selectable THI Frequencies:	H2.5, H3.0, H4.0, H4.5 MHz
Selectable Color Doppler Frequencies:	2.0, 2.5, 3.5 MHz
Selectable PW Doppler Frequencies:	2.0, 2.5, 3.5 MHz
Selectable CW Doppler Frequencies:	1.8, 2.0, 2.5, 3.5 MHz
Number of Elements:	112
Footprint:	19.2 mm
Maximum Field of View:	90°
Maximum Display Depth:	300 mm
Biopsy Guide:	Not available
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Adult Echo, Pediatric Echo
Design Attributes:	<ul style="list-style-type: none"> • Hanafy lens transducer technology • Sector imaging format • Radio frequency shielding • Patented micro-pinless connector technology • Multi-D™ matrix array transducer • MultiHertz™ multiple frequency imaging



Clinical applications 18L6 transducer: Breast, cerebrovascular, musculoskeletal, penile, peripheral vascular, testicle, thyroid

18L6 HD Transducer

Part Number:	10855110
Frequency Bandwidth:	5.5-18.0 MHz
Selectable 2D Frequencies:	8.0, 9.0, 10.0, 15.0, 16.0 MHz
Selectable THI Frequencies:	H7.0, H8.0, H12.0, H15.0, H16.0, H17.0 MHz
Selectable Color Doppler Frequencies:	5.5, 6.25, 7.5, 9.0, 10.0 MHz
Selectable PW Doppler Frequencies:	5.5, 6.25, 7.5, 9.0, 10.0 MHz
2D Steering Angle:	max. \pm 20°
Color Doppler Steering Angle:	max. \pm 20°
PW Doppler Steering Angle:	max. \pm 20°
Number of Elements:	576
Footprint:	57 mm
Maximum Field of View:	95 mm
Maximum Display Depth:	80 mm
Biopsy Guide:	18L6 HD Needle Guide Kit
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Breast, Cerebrovascular, Musculoskeletal, Penile, Peripheral Vascular, Testicle, Thyroid
Design Attributes:	<ul style="list-style-type: none"> • Hanafy lens transducer technology • Ergonomic design with ElastoGrip™ coating • Extra-long cable (2.1 m) for ease of use • Patented micro-pinless connector technology • MultiHertz™ multiple frequency imaging for 2D, Harmonics, M-mode, color Doppler (Color Doppler Velocity (CDV) and Color Doppler Energy (CDE) capabilities) and PW Doppler
Applications Supported:	<ul style="list-style-type: none"> • eSie Image™ multiparametric optimization (VC31A or above) • eSie Strain Ratio



Clinical applications 14L5 SP transducer: Breast, cerebrovascular, digital, penile, intraoperative abdomen, intraoperative vascular, musculoskeletal, testicle, thyroid

14L5 SP Transducer

Part Number:	10441878
Frequency Bandwidth:	5.0-14.0 MHz
Selectable 2D Frequencies:	6.0, 9.0, 14.0 MHz
Selectable THI Frequencies:	H11.0, H14.0 MHz
Selectable Color Doppler Frequencies:	5.5, 6.25, 7.5 MHz
Selectable PW Doppler Frequencies:	5.5, 6.25, 7.5, 9.0 MHz
2D Steering Angle:	max. \pm 20°
Color Doppler Steering Angle:	max. \pm 20°
PW Doppler Steering Angle:	max. \pm 20°
Number of Elements:	128
Footprint:	26 mm
Maximum Field of View:	40°
Maximum Display Depth:	60 mm
Biopsy Guide:	Not available
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution (VC31 or above) HELX™ Evolution with Touch Control (VD10A or above)
Exam Types:	Breast, Cerebrovascular, Digital, Penile, Intraoperative Abdomen, Intraoperative Vascular, Musculoskeletal, Testicle, Thyroid
Design Attributes:	<ul style="list-style-type: none"> • Lightweight transducer with flexible cable • Ergonomically designed form factor • Virtual format imaging • Sterilizable high resolution linear array for special applications
Applications Supported:	<ul style="list-style-type: none"> • Multi-Hertz™ multiple frequency imaging



Clinical applications 14L5 transducer: Breast, cerebrovascular, musculoskeletal, penile, peripheral vascular, testicle, thyroid

14L5 Transducer

Part Number:	10441874
Frequency Bandwidth:	5.0-14.0 MHz
Selectable 2D Frequencies:	6.0, 9.0, 14.0 MHz
Selectable THI Frequencies:	H7.0, H11.0, H14.0 MHz
Selectable Color Doppler Frequencies:	5.5, 6.25, 7.5 MHz
Selectable PW Doppler Frequencies:	5.5, 6.25, 7.5 MHz
2D Doppler Steering Angle:	max. \pm 20°
Color Doppler Steering Angle:	max. \pm 20°
PW Doppler Steering Angle:	max. \pm 20°
Number of Elements:	576
Footprint:	39 mm
Maximum Field of View:	40°
Maximum Display Depth:	80 mm
Biopsy Guide:	SG-4 Needle Guide Kit
Biopsy Guide Angles:	53°
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Breast, Cerebrovascular, Musculoskeletal, Penile, Peripheral Vascular, Testicle, Thyroid
Design Attributes:	<ul style="list-style-type: none"> • Multi-D™ matrix array transducer • Ergonomically designed form factor • Lightweight transducer with flexible cable • Virtual format imaging • Patented micro-pinless connector technology • MultiHertz™ multiple frequency imaging • Supports frequencies for all modes: 2D, M-mode, Harmonics, color Doppler (Color Doppler Velocity (CDV) and Color Doppler Energy (CDE) capabilities and PW Doppler
Applications Supported:	<ul style="list-style-type: none"> • eSie Touch™ elasticity imaging • Axius™ direct ultrasound research interface • eSie Strain Ratio



Clinical applications 9L4 transducer: Breast, cerebrovascular, fetal echo, musculoskeletal, obstetrics and gynecology, pediatric abdomen and hip, pelvis, penile, peripheral vascular, testicle, thyroid

9L4 Transducer

Part Number:	10441876
Frequency Bandwidth:	4.0-9.0 MHz
Selectable 2D Frequencies:	4.0, 6.0, 9.0 MHz
Selectable THI Frequencies:	HC7.0, H7.0, H8.0, H9.0 MHz
Selectable Color Doppler Frequencies:	4.0, 5.0, 6.75 MHz
Selectable PW Doppler Frequencies:	4.0, 5.0, 6.75 MHz
Cadence CPS* Frequencies:	4.0, 5.0, 7.0 MHz
Cadence CHI* Frequencies:	7.0, 8.0, 9.0 MHz
2D Steering Angle:	max. \pm 20°
Color Doppler Steering Angle:	max. \pm 20°
PW Doppler Steering Angle:	max. \pm 20°
Number of Elements:	576
Footprint:	40 mm
Maximum Field of View:	147 mm
Maximum Display Depth:	140 mm
Biopsy Guide:	SG-3 Needle Guide
Biopsy Guide Angles:	51°, 39°
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Breast, Cerebrovascular, Fetal Echo, Musculoskeletal, OB/GYN, Pediatric Abdomen, Pediatric Hip, Pelvis, Penile, Peripheral Vascular, Testicle, Thyroid
Design Attributes:	<ul style="list-style-type: none"> • Multi-D™ matrix array transducer • Ergonomically designed form factor • Lightweight transducer with flexible cable • MultiHertz™ multiple frequency imaging • Harmonic compounding • Patented micro-pinless connector technology
Applications Supported:	<ul style="list-style-type: none"> • Cadence™ contrast pulse sequencing (CPS) technology* • Cadence™ contrast harmonic imaging (CHI) technology* • eSie Touch™ elasticity imaging

* 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.



Clinical applications 12L4 transducer: Breast, cerebrovascular, digital, musculoskeletal, penile, peripheral vascular, testicle, thyroid, pediatric abdomen and hip

12L4 Transducer

Part Number:	10854905
Frequency Bandwidth:	4.0-12.0 MHz
Selectable 2D Frequencies:	6.0, 9.0, 12.0 MHz
Selectable THI Frequencies:	8.0, 12.0 MHz
Selectable Color Doppler Frequencies:	4.0, 5.5, 6.75, 7.5 MHz
Selectable PW Doppler Frequencies:	4.0, 5.5, 6.75, 7.5 MHz
Number of Elements:	192
Footprint:	51.3 mm
Maximum Field of View:	153 mm
Maximum Display Depth:	140 mm
Biopsy Guide:	Biopsy Guide Starter Kit: PN 11147385
Biopsy Guide Angles:	48°
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	HELX™ Evolution (VC31X or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Breast, Cerebrovascular, Digital, Musculoskeletal, Penile, Peripheral Vascular, Testicle, Thyroid, Pediatric Abdomen, Pediatric Hip
Design Attributes:	<ul style="list-style-type: none"> • Hanafy lens transducer technology • Patented micro-pinless connector technology • MultiHertz™ multiple frequency imaging for 2D, Harmonics, M-mode, color Doppler (Color Doppler Velocity (CDV) and Color Doppler Energy capabilities (CDE) and PW Doppler
Applications Supported:	<ul style="list-style-type: none"> • eSieImage™ multiparametric optimization (VC31A or above) • eSie Touch™ elasticity imaging • eSie Strain Ratio



Clinical applications EV-8C4 transducer: Endovaginal gynecology and obstetrics

EV-8C4 Transducer

Part Number:	10441856
Frequency Bandwidth:	4.0-9.0 MHz
Selectable 2D Frequencies:	4.0, 6.0, 8.0 MHz
Selectable THI Frequencies:	HC7.0, H8.0, H9.0 MHz
Selectable Color Doppler Frequencies:	4.2, 5.0, 6.75 MHz
Selectable PW Doppler Frequencies:	4.2, 5.0, 6.75 MHz
PW Doppler Steering:	Variable
Aperture:	26 mm
Number of Elements:	128
Array Length:	28.2 mm
Field of View:	135°
Maximum Display Depth:	140 mm
Radius of Curvature:	12.5 mm
Biopsy Guide:	EV-8C4 Disposable Needle Guide Set EV-8C4 Reusable Needle Guide Set
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Endovaginal Gynecology, Endovaginal Obstetrics
Design Attributes:	<ul style="list-style-type: none"> • Tightly curved format • Wide field of view • MultiHertz™ multiple frequency imaging • Harmonic compounding • Micro-pinless connector technology



Clinical applications 4P1 transducer: Abdomen, adult and fetal echo, obstetrics and gynecology, pediatric echo, pelvis, renal, transcranial

4P1 Transducer

Part Number:	10441867
Frequency Bandwidth:	1.0-4.5 MHz
Selectable 2D Frequencies:	1.75, 2.0, 2.25, 3.0, 4.0 MHz
Selectable THI Frequencies:	H3.0, H3.75 (TCD), H4.0, H4.5, H4.64 MHz
Selectable Color Doppler Frequencies:	2.0, 2.5, 3.5 MHz
Selectable PW Doppler Frequencies:	2.0, 2.5, 3.5 MHz
Selectable CW Doppler Frequencies:	2.0, 2.5, 3.5 MHz
Number of Elements:	288
Footprint:	19.2 mm
Maximum Field of View:	90°
Maximum Display Depth:	130 mm
Biopsy Guide:	Not available
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Abdomen, Adult Echo, Fetal Echo, OB/GYN, Pediatric Echo, Pelvis, Renal, Transcranial
Design Attributes:	<ul style="list-style-type: none"> • Ergonomically designed form factor • Lightweight transducer with flexible cable • Vector™ wide-view imaging format • Multi D™ matrix array transducer • Multiple frequencies for all modes: 2D, M-mode, Harmonics, color Doppler (CDV, CDE, DTI), PW and CW Doppler • MultiHertz™ multiple frequency imaging
Applications Supported:	• Axius™ direct ultrasound research interface



Clinical applications V7M transducer: Pediatric and adult transesophageal echocardiography

V7M Transducer

Part Number:	10441869
Frequency Bandwidth:	4.0-8.0 MHz
Selectable 2D Frequencies:	4.0, 5.0, 6.0, 7.0, 8.0 MHz
Selectable Color Doppler Frequencies:	3.5, 3.75, 4.0, 4.75 MHz
Selectable PW Doppler Frequencies:	3.5, 3.75, 4.0 MHz
Selectable CW Doppler Frequencies:	3.5, 3.75, 4.0 MHz
PW Doppler Steering:	Variable
Aperture:	7.6 mm
Number of Elements:	48
Array Length:	7 mm
Maximum Field of View:	90°
Maximum Display Depth:	180 mm
Biopsy Guide:	Not available
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Pediatric and adult transesophageal echo
Design Attributes:	<ul style="list-style-type: none"> • Small tip size for patient comfort • Ergonomic design for one-hand • Manual rotation: -10°-190° • Vector™ phased array • MultiHertz™ multiple frequency imaging • Supported imaging modes include: 2D, color Doppler (Color Doppler Velocity (CDV), Doppler Tissue Velocity (DTV), Doppler Tissue Equalization (DTE) capabilities), PW and CW Doppler and M-mode • DTI™ Doppler tissue imaging capability



Clinical applications V5Ms transducer: Pediatric and adult transesophageal echocardiography

V5Ms Transducer

Part Number:	10441868
Frequency Bandwidth:	3.0-7.0 MHz
Selectable 2D Frequencies:	4.0, 5.0, 6.0, 7.0 MHz
Selectable Color Doppler Frequencies:	3.5, 3.75, 4.0 MHz
Selectable PW Doppler Frequencies:	3.5, 3.75, 4.0 MHz
Selectable CW Doppler Frequencies:	3.5, 3.75, 4.0 MHz
Number of Elements:	64
Footprint:	9.6 mm
Maximum Field of View:	90°
Maximum Display Depth:	180 mm
Tip Articulation Range:	Anterior: 120°, Posterior: 90°, Left/Right: 45°
Biopsy Guide:	Not available
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Transesophageal echo
Design Attributes:	<ul style="list-style-type: none"> • 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 s • RF shielding • MultiHertz™ multiple frequency imaging • Multi-Hertz™ imaging with 2D, M-Mode, Color Doppler, PW, CW and external noise suppression



Clinical applications CW5 transducer: Adult, neonatal and pediatric echo, cerebrovascular, peripheral vascular, transcranial

CW5 Transducer

Part Number:	10441872
Selectable CW Doppler Frequencies:	5.0 MHz
Number of Elements:	2
Diameter:	11.3 mm
Biopsy Guide:	Not available
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Adult Echo, Cerebrovascular, Neonatal Echo, Peripheral Vascular, Pediatric Echo, Transcranial



Clinical applications CW2 transducer: Adult, neonatal and pediatric echo, cerebrovascular, peripheral vascular, transcranial

CW2 Transducer

Part Number:	10441871
Selectable CW Doppler Frequencies:	2.0 MHz
Number of Elements:	2
Diameter:	17.2 mm
Biopsy Guide:	Not available
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Adult Echo, Cerebrovascular, Neonatal Echo, Pediatric Echo, Peripheral Vascular, Transcranial



Clinical applications ACUSON AcuNav 8F Ultrasound Catheter: Adult intracardiac echocardiography

ACUSON AcuNav 8F Ultrasound Catheter

Frequency Bandwidth:	4.0-10.0 MHz
Selectable 2D Frequencies:	4.0, 5.0, 6.0, 7.0, 8.0, 10.0 MHz
Selectable THI Frequencies:	Not available
Selectable Color Doppler Frequencies:	4.5, 5.0, 6.0, 6.5 MHz
Selectable PW Doppler Frequencies:	4.5, 5.0, 6.0 MHz
Selectable CW Doppler Frequencies:	4.0, 4.5, 5.0 MHz
Cadence CPS Frequencies*:	Not available
PW Doppler Steering Angle:	Variable
Aperture:	7 mm
Number of Elements:	64
Array Length:	7 mm
Field of View:	90°
Maximum Display Depth:	180 mm
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Adult intracardiac echocardiography
Design Attributes:	<ul style="list-style-type: none"> • 8 French catheter (2.7 mm diameter) • 90 cm insertable length • Sterile, single-use advanced miniaturization ACUSON AcuNav™ ultrasound catheter technology • Reusable SwiftLink™ catheter connector • Four-way steering in two planes: 160° in each direction • Longitudinal side-fire imaging • Vector™ wide-view imaging format • DTI™ Doppler tissue imaging capability • Requires cardiac package
Applications Supported:	<ul style="list-style-type: none"> • Supports 2D, M-mode, color M-mode, PW Doppler, color Doppler and DTI capability

Requires cardiac package.

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

** 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.*



Clinical applications ACUSON AcuNav 10F Ultrasound Catheter: Adult intracardiac echocardiography

ACUSON AcuNav 10F Ultrasound Catheter

Frequency Bandwidth:	4.0-10.0 MHz
Selectable 2D Frequencies:	4.0, 5.0, 6.0, 7.0, 8.0, 10.0 MHz
Selectable THI Frequencies:	Not available
Selectable Color Doppler Frequencies:	4.5, 5.0, 6.0, 6.5 MHz
Selectable PW Doppler Frequencies:	4.5, 5.0, 6.0 MHz
Selectable CW Doppler Frequencies:	4.0, 4.5, 5.0 MHz
Cadence CPS Frequencies*:	Not available
PW Doppler Steering Angle:	Variable
Aperture:	7 mm
Number of Elements:	64
Array Length:	7 mm
Field of View:	90°
Maximum Display Depth:	180 mm
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution with Touch Control (VD10 or above)
Exam Types:	Adult intracardiac echocardiography
Design Attributes:	<ul style="list-style-type: none"> • 10 French catheter (3.3 mm diameter) • 90 cm insertable length • Sterile, single-use advanced miniaturization ACUSON AcuNav™ ultrasound catheter technology • Reusable SwiftLink™ catheter connector • Four-way steering in two planes: 160° in each direction • Longitudinal side-fire imaging • Vector™ wide-view imaging format • DTI™ Doppler tissue imaging capability • Supports 2D, M-mode, color M-mode, PW Doppler, color Doppler and DTI capability. Requires cardiac package.

Requires cardiac package.

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

** 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.*



Clinical applications 10V4 transducer: Neonatal echo and head, pediatric abdomen, pediatric echo, pelvis, renal

10V4 Transducer

Part Number:	10441866
Frequency Bandwidth:	4.0-10.0 MHz
Selectable 2D Frequencies:	4.0, 6.0, 10.0 MHz
Selectable THI Frequencies:	H5.0, H6.0, H8.0, H10.0 MHz
Selectable Color Doppler Frequencies:	4.5, 5.0, 6.0 MHz
Selectable PW Doppler Frequencies:	4.5, 5.0, 6.0 MHz
Number of Elements:	128
Footprint:	13 mm
Maximum Field of View:	90°
Maximum Display Depth:	150 mm
Biopsy Guide:	Not available
Compatible With:	ACUSON S1000™ ultrasound system ACUSON S2000™ ultrasound system ACUSON S3000™ ultrasound system
Release Version:	Classic (VC25 or below) HELX™ Evolution (VC30 or above) HELX™ Evolution (VC31 or above) HELX™ Evolution with Touch Control (VD10A or above)
Exam Types:	Neonatal Echo, Neonatal Head, Pediatric Abdomen, Pediatric Echo, Pelvis, Renal
Design Attributes:	<ul style="list-style-type: none"> • Vector™ wide-view imaging format • User-selectable MultiHertz™ imaging

HELX EVOLUTION



For more information on the commercial availability of ACUSON S1000, HELX Evolution with Touch Control (VD10), contact your regional Siemens representative.

The ACUSON S1000, HELX Evolution (VC30 and VC31 or above) are not commercially available in Brazil, China, and Uruguay. Due to regulatory reasons, their future availability cannot be guaranteed.

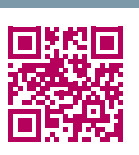
ACUSON S Family System, Classic version and its features are only available for quotation in countries that have not received HELX Evolution regulatory clearance.

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.

Frequency bandwidth measurements represent bandwidth at ± 20 dB.

3-Scape, AcuNav, ACUSON S Family, ACUSON S1000, ACUSON S2000, ACUSON S3000, Axius, Cadence, DTI, ErgoDynamic, eSieImage, eSie Fusion, eSieScan, eSie Touch, microCase, Multi-D, MultiHertz, SieClear, SieScape, SuppleFlex, TCE, TEQ, Vector, Velocity Vector Imaging, Virtual Touch are trademarks of Siemens Medical Solutions, Inc.



Read this QR Code® with the QR Code reader in your mobile!

Siemens Healthcare Headquarters

Siemens Healthcare GmbH
Henkestraße 127
91052 Erlangen
Germany
Phone: +49 9131 84-0
siemens.com/healthcare

Legal Manufacturer

Siemens Medical Solutions
USA, Inc.
Ultrasound
685 E. Middlefield Road
Mountain View, CA 94043
USA
Phone: 1-888-826-9702
www.siemens.com/ultrasound