



Transducers

ACUSON S3000 Ultrasound System

HELX Evolution with Touch Control

siemens-healthineers.com/ultrasound



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Curved



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

7CF1 Transducer

| | |
|---------------------------------------|---|
| Part Number: | 11288956 |
| Frequency Bandwidth: | 1.0-7.0 MHz |
| 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 × 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, Obstetrics/ Gynecology, 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: | 3-Scape real-time 3D imaging |

Curved



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

6C2 Transducer

| | |
|---------------------------------------|---|
| Part Number: | 10442080 |
| 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, Obstetrics/ Gynecology, Pediatric Abdomen, Pelvis, Peripheral Vascular Arterial, Peripheral Vascular Venous, Renal |
| Design Attributes: | <ul style="list-style-type: none"> • Curved 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 • eSie Touch elasticity imaging |
| Applications Supported: | <ul style="list-style-type: none"> • 3-Scape real-time 3D imaging • eSieFusion imaging |

Curved



Clinical applications for 6C1 transducer: abdominal, fetal echo, obstetrics and gynecology, pelvis, renal

6C1 Transducer

| | |
|---------------------------------------|---|
| Part Number: | 10442111 |
| Frequency Bandwidth: | 1.5-6.0 MHz |
| Selectable 2D Frequencies: | 1.5, 1.8, 2.5, 4.0, 4.5, 5.5 MHz |
| Selectable THI Frequencies: | H2.5, H3.0, H3.5, H4.0, H4.5, H5.0, H5.5 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 |
| Number of Elements: | 192 |
| Footprint: | 61 mm |
| Maximum Field of View: | 70° |
| Maximum Display Depth: | 300 mm |
| Biopsy Guide: | 6C1 HD needle guide |
| Biopsy Guide Angles: | 44.2°, 28.8° |
| Compatible with: | 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, Obstetrics/ Gynecology, Pelvis, Renal |
| Design Attributes: | <ul style="list-style-type: none"> • Vector wide-view imaging format • Hanafy lens transducer technology • MultiHertz multiple frequency imaging • Ergonomic design with ElastoGrip ergonomic grip coating |
| Applications Supported: | <ul style="list-style-type: none"> • Cadence contrast pulse sequencing (CPS) technology • Cadence contrast harmonic imaging (CHI) • Virtual Touch imaging • Virtual Touch quantification • eSie Touch elasticity imaging • eSieFusion imaging |

Curved



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

4C1 Transducer

| | |
|---------------------------------------|--|
| Part Number: | 10442082 |
| 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, Obstetrics/ Gynecology, 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) • eSie Touch elasticity imaging • Axis direct ultrasound research interface (URI) • Virtual Touch imaging • Virtual Touch quantification • eSieFusion imaging |

Curved



Clinical applications for 8C3 transducer: abdomen, obstetrics and gynecology, pediatric

8C3 Transducer

| | |
|---------------------------------------|---|
| Part Number: | 10854032 |
| Frequency Bandwidth: | 3.0-8.0 MHz |
| Fundamental Frequencies: | 3.0, 5.0, 6.0, 7.0 MHz |
| Harmonic Frequencies: | 4.0, 5.0, 6.0, 7.0, 7.5, 8.0 MHz |
| Selectable Color Doppler Frequencies: | 2.85, 3.25, 3.75 MHz |
| Selectable PW Doppler Frequencies: | 2.85, 3.25, 3.75 MHz |
| Minimum Depth: | 60 mm |
| Maximum Depth: | 300 mm |
| Number of Elements: | 384 |
| Footprint: | 59 mm |
| Maximum Field of View: | 94° |
| Biopsy Guide: | 8C3 HD Needle Guide |
| Biopsy Guide Angles: | 35.3° and 21.6° |
| Compatible with: | ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system |
| Release Version: | Classic (ACUSON S3000 ultrasound system VC25 or below only) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above) |
| Exam Types: | Abdomen, Obstetrics/Gynecology, Pediatric |
| Design Attributes: | <ul style="list-style-type: none"> • Vector wide-view imaging format • Wide field of view • Hanafy lens transducer technology • Ergonomic design with ElastoGrip ergonomic grip coating |
| Applications Supported: | <ul style="list-style-type: none"> • eSie Touch elasticity imaging |

Curved



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

MC9-4 Transducer

| | |
|---------------------------------------|--|
| Part Number: | 10854249 |
| 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, Obstetrics/Gynecology, 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"> • Cadence contrast pulse sequencing (CPS) technology • eSie Touch elasticity imaging |

Vector



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

9EVF4 Transducer

| | |
|---------------------------------------|--|
| Part Number: | 10442092 |
| 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, Obstetrics/ Gynecology |
| 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 • eSie Touch elasticity imaging |

Vector



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

8V3 Transducer

| | |
|---------------------------------------|---|
| Part Number: | 10442096 |
| 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 [CDV] capability, DTI Doppler tissue imaging), and spectral Doppler (PW and CW) • MultiHertz multiple frequency imaging |

Vector



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

4V1 Transducer

| | |
|---------------------------------------|---|
| Part Number: | 10442094 |
| 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: | 28.1 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, Obstetrics/ Gynecology, 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 transducer miniaturization technology • Patented micro-pinless connector technology |
| Applications Supported: | <ul style="list-style-type: none"> • Virtual Touch imaging • Virtual Touch quantification • eSieFusion imaging |

Vector



Clinical applications for 4V1c transducer: adult and pediatric echocardiography

4V1c Transducer

| | |
|---------------------------------------|--|
| Part Number: | 10442104 |
| 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 |

Vector



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

10V4 Transducer

| | |
|---------------------------------------|---|
| Part Number: | 10442097 |
| 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 imaging format • User-selectable MultiHertz imaging |

Linear



Clinical applications for 18L6 HD transducer: breast, cerebrovascular, musculoskeletal, penile, peripheral vascular, testicle, thyroid

18L6 HD Transducer

| | |
|---------------------------------------|---|
| Part Number: | 10442110 |
| 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, H14.0, 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. $\pm 20^\circ$ |
| Color Doppler Steering Angle: | Max. $\pm 20^\circ$ |
| PW Doppler Steering Angle: | Max. $\pm 20^\circ$ |
| 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 • 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 Touch elasticity imaging |

Linear



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

14L5 SP Transducer

| | |
|---------------------------------------|--|
| Part Number: | 10442109 |
| 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. $\pm 20^\circ$ |
| Color Doppler Steering Angle: | Max. $\pm 20^\circ$ |
| PW Doppler Steering Angle: | Max. $\pm 20^\circ$ |
| 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"> • Axis direct ultrasound research interface • eSie Touch elasticity imaging |

Linear



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

14L5 Transducer

| | |
|---------------------------------------|--|
| Part Number: | 10442105 |
| 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 Steering Angle: | Max. $\pm 20^\circ$ |
| Color Doppler Steering Angle: | Max. $\pm 20^\circ$ |
| PW Doppler Steering Angle: | Max. $\pm 20^\circ$ |
| 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 |

Linear



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

9L4 Transducer

| | |
|---------------------------------------|---|
| Part Number: | 10442107 |
| 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. $\pm 20^\circ$ |
| Color Doppler Steering Angle: | Max. $\pm 20^\circ$ |
| PW Doppler Steering Angle: | Max. $\pm 20^\circ$ |
| 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, Obstetrics/Gynecology, 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"> • Virtual Touch imaging • Virtual Touch quantification • eSie Touch elasticity imaging • Cadence contrast pulse sequencing (CPS) technology • Cadence contrast harmonic imaging (CHI) • eSieFusion imaging |

Linear



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

12L4 Transducer

| | |
|---------------------------------------|---|
| Part Number: | 10854908 |
| 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 [CDE] capabilities), and PW Doppler |
| Applications Supported: | <ul style="list-style-type: none"> • eSie Touch elasticity imaging |

Specialty



Clinical applications for EV-8C4 transducer:
endovaginal gynecology and obstetrics

EV-8C4 Transducer

| | |
|---------------------------------------|---|
| Part Number: | 10442087 |
| 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 Angle: | Variable |
| Aperture: | 26 mm |
| Number of Elements: | 128 |
| Array Length: | 28.2 mm |
| Maximum 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 • Patented micro-pinless connector technology |

Specialty



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

4P1 Transducer

| | |
|---------------------------------------|---|
| Part Number: | 10442098 |
| 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: | 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: | Abdomen, Adult Echo, Fetal Echo, Obstetrics/Gynecology, 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: | <ul style="list-style-type: none"> • Axis direct ultrasound research interface |

Specialty



Clinical applications for V7M transducer: pediatric and adult transesophageal echocardiography

V7M Transducer

| | |
|---------------------------------------|---|
| Part Number: | 10442100 |
| 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 control • Manual rotation: -10° to 190° • Vector wide-view imaging format • MultiHertz multiple frequency imaging • Supported imaging modes include 2D, color Doppler (color Doppler velocity [CDV], Doppler tissue velocity [DTV], and Doppler tissue equalization [DTE] capabilities), PW and CW Doppler, and M-mode • DTI Doppler tissue imaging capability |

Specialty



Clinical applications for V5Ms transducer: pediatric and adult transesophageal echocardiography

V5Ms Transducer

| | |
|---------------------------------------|--|
| Part Number: | 10442099 |
| 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 width: 14.5 mm, height: 11.5 mm • Ergonomic design featuring one-hand control with variable speed rotation: 90° per second • RF shielding • MultiHertz multiple frequency imaging • MultiHertz imaging with 2D, M-mode, color Doppler, PW, CW, and external noise suppression |

Specialty



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

CW5 Transducer

| | |
|------------------------------------|--|
| Part Number: | 10442103 |
| 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 for CW2 transducer: adult, neonatal and pediatric echo, cerebrovascular, peripheral vascular, transcranial

CW2 Transducer

| | |
|------------------------------------|--|
| Part Number: | 10442102 |
| 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 |

Specialty



Clinical applications for 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 • 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.

Specialty



Clinical applications for 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.

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.

For more information on the commercial availability of ACUSON S3000, HELX with Touch Control (VD10), contact your regional Siemens Healthineers representative.

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Please contact your local Siemens Healthineers organization for further details.

Frequency bandwidth measurements represent bandwidth at ± 20 dB.

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Siemens Healthineers Headquarters

Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen, Germany
Phone +49 9131 84-0
siemens-healthineers.com

Legal Manufacturer

Siemens Medical Solutions USA, Inc.
Ultrasound
22010 S.E. 51st Street
Issaquah, WA 98029, USA
Phone: 1-888-826-9702
siemens-healthineers.com/ultrasound