



ACUSON SC2000 Ultrasound System

Transducers

Release 1.2

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SIEMENS



4Z1c Transducer

Part Number:	10433819
Frequency Bandwidth:	1.5 – 3.5 MHz
B-Mode Frequencies:	2.8 MHz, H2.8 MHz
Color Doppler Frequencies (CDV, DTV, DTE):	2.0, 2.5 MHz
PW Doppler Frequencies:	1.67 MHz
Tissue Spectral Doppler (DTI) Frequency:	2.5 MHz
LVO Contrast Frequencies:	LVO I, LVO II (H2.8 with alternate line phase)
Maximum volume rate:	563 volumes per second
Aperture Size:	19.2 mm x 14.4 mm
Number of Elements:	1,728
Field of View:	Up to 90° x 90°
Maximum Display Depth:	30 cm
Compatible with:	ACUSON SC2000™ volume imaging ultrasound system
Applications:	Transthoracic adult echo, volume stress echo, contrast agent studies

Features:

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

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



4V1c Transducer

Part Number:	10433821
Frequency Bandwidth:	1.25 – 4.5 MHz
2D Frequencies:	H4.25 C, H4.25 MHz, H3.0 MHz, H2.25 MHz, 3.5 MHz
THI Frequencies:	H4.25 MHz, H3.0 MHz, H2.25 MHz
Color Doppler Frequencies:	3.5 MHz, 2.5 MHz, 2.0 MHz
PW Doppler Frequencies:	1.75 MHz
CW Doppler Frequencies:	1.75 MHz
M-mode Frequencies:	H4.25 C, H4.25 MHz, H3.0 MHz, H2.25 MHz, 3.5 MHz
Tissue Spectral Doppler (DTI frequency):	2.5 MHz
LVO Contrast Frequencies:	H4.25 MHz LVO I, LVO II (with alternate line phase)
Maximum Frame Rate:	1,248 frames per second
Aperture Size:	19.2 mm x 14.4 mm
Number of Elements:	112
Maximum Field of View:	90°
Maximum Display Depth:	30 cm
Compatible with:	ACUSON SC2000 system, ACUSON S2000™ ultrasound system, ACUSON Sequoia™ ultrasound system
Applications:	Transthoracic adult echo, Pediatric echo, 2D stress echo, contrast agent studies

Features:

- The 4V1c transthoracic transducer utilizes Hanafy lens transducer technology to provide excellent elevation focusing and uniform beam intensity throughout the field of view
- Supports IN Focus Coherent Imaging technology, a new standard in information imaging to deliver full field of view in focus without user intervention, resulting in excellent detailed and contrast resolution at all depths
- Supports B-mode, color Doppler (CDV, DTV, DTE), spectral Doppler (PW, CW, DTI) and contrast agent 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.



Aux CW

Part Number:	10433824
Selectable CW Doppler Frequencies:	2 MHz
Number of Elements:	2
Diameter:	17.2 mm
Biopsy Guide:	Not Available
Compatible With:	ACUSON SC2000 system, ACUSON S2000 ultrasound system

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