

Voluson Expert 22 BT25

The Voluson™ Expert 22 is a premium imaging platform that combines extraordinary image quality with our superb volume ultrasound technology.

The Voluson Expert 22 is for clinical trailblazers who want to continue to set new limits in women's healthcare. Our powerful and adaptive Lyric Architecture combined with unmatched probe technology and progressive imaging tools will help find answers to complex cases earlier. The classic, modern Voluson design with AI features supports efficient workflow increasing satisfaction and daily activities. All this combined with support excellence in service, education, and security. The Voluson Expert 22, for pioneers. For groundbreakers. Because like you, we don't just hope for a healthier future for women. We insist on creating it.

Highlights

- Lyric Architecture – Graphic Based Beamforming
- High-Definition Ultrasound (HDU) 23.8" Monitor
- Radiant, UltraHD and Augment
- Radiantflow, SlowflowHD and Slowflow3D, Graphicflow
- HDlive* Technologies
- Advanced VCI with OmniView
- Uterine Trace & Spinal Trace
- SonoAVC 2.0 & Auto Caliper measurements for follicles
- Advanced STIC & eSTIC
- Advanced Fetal Echo
- fetalHQ, SonoFHR
- AI based image guidance with SonoLystlive for 1st and 2nd Trimester
- AI based functionality with fetalHS, SonoCNS, SonoPelvicFloor 3.0
- SonoGyn Fibroid Mapping
- Automation Technology with SonoBiometry, SonoNT, SonoIT
- XDclear Probes
- Volume Matrix Technology
- High Frequency Transvaginal Imaging
- Electronic 4D Technology
- Wireless Probes Technology (Vscan Air™ CL/SL integration)
- 3D Printing Capabilities
- Voluson Image Portal



General Specifications

Dimensions / Weight / Audible noise emission	
Height (minimum)	113 cm (44.3 in)
Height (maximum)	174 cm (68.3 in)
Adjustable	with electrical motor
Width	58 cm (23.0 in)
Depth	96 cm (37.9 in)
Weight (no Peripherals)	95 kg (209 lbs.)
Maximal audible noise emission	≤65dBA
Typical audible noise emission (in a noise-reduced setting)	≤37dBA (measured at normal user-location in standard working mode)

Power supply	
Voltage	100 – 240V~
Frequency	50/60 Hz (+/-1Hz)
Power	Max. 600VA including all options, typical power consumption ~300VA without peripherals
Thermal Output	max. 2047 BTU/h typ. 1023 BTU/h

Console design	
4 Active Universal Pinless Imaging Probe Ports	
Central 4-wheel brake mechanism with directional lock on rear wheels, front and rear operation	
Wheels	15 cm (5.9 in) diameter
Non-glaring probe port illumination	
Ambient lighting with user adjustable coloring	
On-board storage for Peripherals	

Operating System	
Operating System: Windows**	10 IoT Enterprise 2021 LTSC
Integrated SSD	2 TB

User Interface

Operating panel	
Floating Keyboard:	
<ul style="list-style-type: none"> Rotation: adjustable +/- 40° from center Height adjustable + 300 mm (11.8 in) Front extension: up to 200 mm (7.9 in) 	
5 integrated probe holders with individual cable outlet plus 1 holder for transvaginal probe	
Gel holder	
User adjustable light scheme	
4 programmable buttons for print/save/send	
4 user configurable buttons	
Integrated microphone	

Touch screen	
15.6" high resolution color LCD screen	
Resolution	Full HD 1920 x 1080 pixel
Aspect ratio	16:9
Multi touch interactive dynamic software menu	
Brightness adjustable	
Capable to display 2D/3D/4D Ultrasound Images in real time	

Monitor	
23.8" high resolution HDU Display with HDMI interface	
Resolution	Full HD 1920 x 1080 pixel
Aspect ratio	16:9

Max. display brightness	340 cd/m ²
Contrast ratio	1000 : 1
Response time	15 ms
Tilt/Rotate Adjustable Monitor	
Tilt angle: min. +25°/-75°	
Horizontal rotate angle: +/- 90°	
Brightness settings: Extra Dark, Dark, Semi Dark, Light, Extra Light Room	
Color temperature setting: warm and cold	

System Overview

Exam types	
Abdominal	
Obstetrical and Fetal Echo	
Gynecological	
Small Parts and Breast	
Vascular	
Pediatrics	
Transrectal	
Cardiology	
Cephalic	
Musculoskeletal (MSK)	

Standard operating modes	
B-Mode (2D)	
Color Doppler mode (C)	
Power Doppler Mode (PD), including HD-Flow*	
M-Mode (M), including anatomic M-Mode (AMM)	
Pulsed Wave Doppler (PW) with automatic HPRF, including duplex and triplex capabilities	
Tissue Doppler Mode (TD) and PW-Tissue Doppler Mode	
SlowflowHD, including Slowflow3D	
B-Flow* (BF)	
Combination modes: M/C, M/HD-Flow, M/TD, PW/C, PW/HD-Flow, PW/PD, PW/TD	
Extended View (XTD View)	
Volume Mode (3D/4D):	
<ul style="list-style-type: none"> 3D Static 4D Real Time VCI-A 	
Static 3D Mode:	
<ul style="list-style-type: none"> B Mode only B + Power Doppler Mode B + CFM Doppler Mode B + HD-Flow Mode B + SlowflowHD 	<ul style="list-style-type: none"> B + CRI B + CRI + CFM B + CRI + PD B + CRI + HD-Flow B + B-Flow

User Management and Logging Functionality	
Multiple Users with individual log on credentials	
Different and adjustable access levels	
LDAP Interface	
Enhanced Audit Trail and Usage Log	

Privacy and Security Functionality	
Hard disc AES Encryption with 256-bit length	
Whitelisting	
Encrypted DICOM® Communication Capability (TLS)	
Encryption and Data Anonymization Export Capability	
All ports, services and shared resources that are not required for the intended use are disabled	
Operating System Access disabled	
Deactivation of USB ports possible	

Transducer types

Phased Array – 1D and Active Matrix (1.5D)
Convex Array
Microconvex Array
Linear Array – 1D and Active Matrix (1.25D)
Volume probes 4D:
• Convex and Microconvex Array
• Linear Array
• Active Matrix Convex Array (1.5, 2D)

Scanning methods

2D Electronic Sector/Convex/Linear
3D/4D Mechanic/Electronic Volume Sweep

System standard features

Automatic Optimization (B-Mode, PW Doppler)
Auto TGC
Coded Harmonic Imaging with Pulse Inversion Technology, operating on multiple frequencies
AutoScale (PW Doppler and Color Doppler PRF)
Anatomical M-Mode (AMM) with up to 2 cursors
Augment scanning mode
UltraHD scanning mode
Shadow Reduction
Radiant & Radiantflow
SRI
CrossXBeamCRI * (Compound Resolution Imaging)
Advanced 4D (4D Realtime, 4D Biospy, VCI-A, 4D-AMM)
HD*live* Studio+ (including HD*live* Studio with up to 3 light sources, Silhouette controls and Perspective Rendering, HD*live* Silhouette)
HD*live* Flow, HD*live* Flow Silhouette
SonoRender*live*
Scan Assistant:
• Includes measurements, annotations and fetal anatomy and gynecology worksheet entries
• Performs predefined mode changes, preset selection and screen layout changes
• Supports display of user selected reference images
Standardize image sequence upon DICOM® transfer
HD Zoom & Pan Zoom
Steering
Virtual Convex (Trapezoid Image), also with CrossXBeamCRI
Beta-View
Histogram Analysis with up to 3 user adjustable ROIs with comparative analysis on complex curves
Inversion Mode
Measurement, Calculations and Worksheets/Report for:
• OB
• GYN
• Vascular
• Cardio
• Abdominal
• Small Parts
• Transrectal
• Pediatrics
• Cephalic
• Musculoskeletal (MSK)
Multigestational Calculations
SonoBiometry (HC, BPD, AC, FL, HL, SonoNT & SonoIT, Cerebellum, CM, lat. Ventricle, Cardiac axis)
SonoCNS^{††††}
SonoFHR
Real-time automatic Doppler calculations
VOCAL II
DICOM® 3.0 Connectivity
Integrated Software DVR
• Digital recording

• One drive for data export and recording
• DVD Formats: DVD+R, -R, +RW, -RW for recording, DVD and CD support for data export
• USB support: FAT32 compatibility
GYN IOTA LR2, Simple Rules and ADNEX Model^{††††}
GYN IETA Protocol & Report^{††††}
GYN IDEA Protocol & Scan Assistant Guideline
GYN O-RADS Report^{††††}
*fetal*HS
Biophysical Profile Clock available on eM6C, RM7C, RAB6, RAB7, C2-9, C1-6
Patient information database
Image Archive on hard drive
3D/4D data compression (lossy/lossless)
Data export in 3D printable format
Voluson Image Portal (additional WiFi Stick required)
SonoLyst*live* (includes SonoLyst IR/X) for 1st and 2nd Trimester

System options (some options may not be available in all countries)

E4D advanced features (for eM6C G3 activation only)
• 2D Modes: Bi-Plane (including CRI and Steering), VCI-2D, Adapt
• Real Time 4D Mode: B + CFM/PD/HD-Flow Modes
• VCI-A + CFM/PD/HD-Flow Modes
• eSTIC
*fetal*HQ2 (including speckle tracking capabilities)
Graphicflow
Advanced STIC:
• STIC
• STIC M-Mode
• STIC-Flow
• SonoVCAD*heart*
AutoSpine^{††††}
CW Doppler
V-SRI
Advanced VCI (Volume Contrast Imaging), including VCI-C, OmniView, Spine- and Uterine Trace
SonoGyn, including Fibroid Mapping and Uterine Trace
SonoAVC 2.0, including SonoAVC*follicle*, *antral* and *general* and Auto Caliper for follicles
SonoPelvicFloor 3.0
SonoPF2D^{††††}
SonoVCAD*labor*
Compression Elastography
Shear Wave Elastography^{††††}
Ophthalmic Artery
Coded Contrast Imaging[†]
Advanced Security Features
Premium Security Features^{††††}
Voluson Remote Updates
Vscan Air Activation (enables Vscan Air S/L or C/L wireless probe; requires WiFi stick)
eDelivery Expert BT25^{††††}
Verisound Fleet Connectivity^{††††}

Peripherals, Accessories and Hardware Options

Gel warmer (integrated in probe holders)
Side Drawer
RFID Log-on (using an NFC reader)^{††††}
Respond Probe Holder (automatic probe activation when a probe is taken from the holder)
Integrated DVD+R(W)/CD-R(W) drive
Potential Equalizing Cord^{††††}
ECG Digital Module
B&W printer, medical grade (integrated in console)

Color printer, medical grade (not integrated, with wireless connection)
Network color printer for report printing
Foot Switch, with programmable functionality
UPS – 115V or 220/230V AC Uninterruptible Power Supply to prevent data/image loss in case of power failure assuring autonomy up to 15 minutes in scanning (may vary depending on battery age)
Power Filter
Isolation Transformer
External Patient Monitor Set
Barcode Scanner
Cleaning Cloth
Digital Expert Connect
Wireless HDMI connection
WLAN and Bluetooth Stick
External Alphanumeric Keyboard
Vscan Air Activation Kit incl. Vscan Air SW Activation option and WLAN and Bluetooth Stick

• Volume Box Angle	• STIC acquisition time
• Mix	• Calculated heart rate for STIC and eSTIC
• Acquisition Mode	
• Compression	
• VCI: slice thickness	
Gray Scale bar	
Color Scale bar (mode dependent), showing WMF, Balance	
Depth Scale	
Focal Zone Marker	
Probe Orientation Marker	
Cine Frame Number	
Recorder, spooler, external monitor, email, ethernet connection status	
Body Marks: 92 types organized in 10 anatomical groups	
Measurement results	
ECG Line	
Trackball function (Trackball and Trackball buttons)	
P-Button and C-Button configuration	
Zoom overview image (zoom box position)	
Clipboard in adjustable layout	
Scan Assistant/Measurement result window	

Displayed information		
Patient name: First/Middle/Last Name, max. 62 characters		
Patient ID: max 32 characters		
Secondary patient ID (Citizen Service Number)		
Accession #: max 16 characters		
Hospital Name: max 30 Characters		
Sonographer		
Gestational age (OB) or LMP (GYN)		
Birth date		
Date:		
• YYYY/MM/DD	• MM/DD/YYYY	• DD/MM/YYYY
Time display selectable: 12/24 hours		
Probe name		
Displayed Acoustic Output:		
• TIS: Thermal Index Soft Tissue		
• TIC: Thermal Index Cranial		
• TIB: Thermal Index Bone		
• MI: Mechanical Index		
Frame Rate / Depth		
Angle / Zoom		
Preset / Application		
• Receiver Frequency	• Persistence/Edge Enhance	
• Gain	• Radiant	
• Dynamic Contrast/Gray Map	• SRI, CRI	
M Mode/AMM Mode:		
• M-Gain	• Reject	
• Dynamic contrast	• M-Cursor, AMM-Cursor	
• Edge Enhance	• Time Scale	
PW Doppler Mode:		
• PW-Gain	• PRF including HPRF	
• Angle	• Wall Motion Filter	
• Sample Volume Depth and Size	• Frequency	
	• Velocity or Frequency Scale	
	• Time Scale	
Color Flow Imaging modes		
• Color Gain	• Color Map	
• Frequency	• Color Scale: kHz, cm/s, m/s	
• Quality	• Color Velocity Range	
• Wall Motion Filter	• Color Balance Marker	
• Pulse Repetition Frequency		
3D/4D Mode:		
• 3D/4D Sub Program	• TUI: slice distance	
• Threshold	• TUI: slice position in overview image	
• Quality		

System Parameters

System setup
User Programmable Presets
Display Languages: English, French, German, Spanish, Portuguese, Italian, Danish, Dutch, Finnish, Norwegian, Swedish, Russian, Japanese, Simplified Chinese
Software Keyboard Languages: English, French, German, Spanish, Italian, Danish, Finnish, Norwegian, Swedish, Russian, South Slavic Latin, Swiss French, Swiss German, Polish
elfU (electronic Instructions for Use) Languages:
Bulgarian, Croatian, Czech, Chinese Simplified, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Kazakh, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Serbian, Slovakian, Slovenian, Spanish, Swedish, Turkish, Ukrainian, Vietnamese
Free programmable Scan assistant lists including Add, Delete, Edit and Reorder of checklist items
Up to 2100 Programmable Annotations organized in 10 anatomical groups, including a library function and auto-complete

Measure setup
M&A Setup including Add, Delete, Edit and Reorder of measure items
Application Setup including several parameters of Measurement, Doppler Trace and Calculation presets
Global Setup including several parameters of Measurement, Cursor and Result window presets
Post assign measurements
Auto Sequence measurements

Image processing and presentation
Digital Beamformer
1.800.989.313 system processing channel technology
Minimum Depth of Field: 0 – 1 cm (Zoom, probe dependent)
Maximum Depth of Field: 0 – 50 cm (probe dependent)
Depth Steps: up to 29 (probe dependent)
Confocal Imaging
Transmission Focus: 1-5 Focus Points selectable (probe and application dependent)
Focal Zone position, up to 10 positions selectable

Continuous Dynamic Receive Focus/ Continuous Dynamic Receive Aperture for all probes
256 gray levels
16.8 million Colors 24 bit
Up to 418 dB Dynamic Range
Image reverse: Right/Left
Rotation: 0°, 180°

Cine features
<ul style="list-style-type: none"> • Prospective or Retrospective Cine Mode • Single/Dual/Quad image Cine Display • Cine Gauge and CINE image number display • Cine Review Loop • Cine Sequence (by Setting Start and End) • Measurements /Calculations & Annotations on CINE
Length:
<ul style="list-style-type: none"> • 2D: 1024MB: up to 10 min (depending on B-image size and FPS); typical: about 3 min/4000 images (with curved array: 15cm depth, angle 81°, 22 FPS) • PW/M-Mode: 32MB: up to 1 min motion time (depending on sweep and depth)

Image/volume storage (archive)
Standard and fully anonymized archive available
Images stored as:
<ul style="list-style-type: none"> • Raw Data file (proprietary format) • DICOM file (Single-or Multi-Frame)
Volume file stored as:
<ul style="list-style-type: none"> • Raw Data file (proprietary format) • DICOM file
Size: typically: 0.8 – 5MB (depending on probe and adjusted volume size)
Compression:
<ul style="list-style-type: none"> • 2D: JPEG, lossless, high, mid low • 3D/4D: Lossy and lossless compression available. Typical compression rates are 50% with lossless compression, 15% with lossy compression but maximum quality and 5% with lossy compression and reduced quality (approximate values).
Review of current exam and archived data sets (Single Images and Cine Clips). View format: Raw data, DICOM data. Display Formats: 1x1, 2x2, 3x3
Reload of current/ archived data sets: 2D Raw Data (incl. Color Doppler, Spectral Doppler and M-Mode). 3D Raw Data (single Volume incl. Calc. Cines). 4D Raw Data (Volume Cine).
Export as:
<ul style="list-style-type: none"> • Bitmap files: BMP, TIFF, JPEG, PNG • Raw files: RAW (2D), VOL (Volume data), 4DV • (RAW, VOL incl. Patient data – password protected) • Video File Format: AVI, MP4 • DICOM Files: DCM, DICOM Files with DICOMDIR • 3D Raw Data: export Cartesian format possible • Surface formats: STL, OBJ, PLY, 3MF, XYZ (with projected and full 3D export capabilities)
AVI Codec: MS Video 1, FullFrames
Export to: DVD+R(W), CD-R(W), Network, USB devices, email, Printer, DICOM®
Export Anonymous function: available for following image types: AVI, BMP, TIFF, JPEG, PNG, MP4, 4DV
Backup function to: DVD+R(W)/CD-R(W), Network, USB devices
Repro function: Settings recall (e.g. Geometry, Gain, Color map, etc.) from a stored or reloaded picture
Exam history: Direct access to images from previous exams; direct access to measurement reports and images from previous exams; Image compare window on screen to compare images from previous exams with current exam image
Hard Drive Data Storage space: approx. 1900 GB

Connectivity
DICOM® support:
<ul style="list-style-type: none"> • Verify • Print • Store • Modality Worklist • Structured Reporting • Storage Commitment • MPPS (Modality performed procedure step) • Media Exchange • Off network / mobile storage queue • Query/Retrieve • TLS

SonoLystlive	
1 st Trimester	24 views
2 nd Trimester	28 views

Scanning Parameters

B Mode	
Gain range	+15 (100%) to -25 dB (0%)
TGC	8 sliders
Nearfield/Farfield	Adjusting upper/lower TGC sliders
Mode	Harmonic/Fundamental
Harmonic Frequencies	Low/Mid/High
Fundamental Frequencies	Penet/Norm/Resol
Acoustic Power	1-100%
Angle	20° to max. angle in 5° steps
Max Angle	Probe dependent
Shadow Reduction	On/off available on all probes except 6S-D and L8-18i-D
Dynamic Contrast	1 – 12 in 0.5 step increments
SRI	5 steps (1-5), available on all probes
CRI	8 steps (1-8), available on all (curved and linear) probes except: M5Sc-D and 6S-D
VCI-2D (eM6C G3 only)	
Radiant	Off/min/mid/max
UltraHD	On/off, available on all probes except 6S-D, M5Sc-D and L8-18i-D
Augment	On/off, available on all probes except 6S-D, L8-18i-D and Vscan Air SL/CL
Gray maps	21 (18 basic maps and 3 User-defined maps)
Tint maps	11 (10 colors, 1 greyscale)
Line filter	off, low (12.5/75/12.5%), high (25/50/25%)
Persistence filter	8 steps from 1 to 8
CRI filter	Off/low/mid/high
Line Density	Low/norm/high
Reject	51 steps from 0 to 255
Enhance	6 steps 0, 1, 2, 3, 4, 5
OTI	cystic, adipose, normal, solid, live
Display Modes	B, XTD, Fullscreen
Max. B-Mode Frame Rate	> 3000 frames/sec
Gray scale values	8 bit
Frequency Range	1 to 18 MHz depending on the probe, adjustable in 3 fundamental steps

	(penetration, normal, resolution) and up to 5 Harmonic steps (Augment, low, mid, high, UltraHD)
Screen Formats:	
• 2D Imaging: Single (B), Dual (B+B), Quad (B+B+B+B)	
• XTD View: Single (XTD), Dual (B+XTD)	
Write Zoom up to 8x Magnification	
Read Zoom: 0.8x – 3.4x Zoom (with HD-Zoom functionality up to 22x Zoom)	
Virtual Convex:	<ul style="list-style-type: none"> • RSP6-16-D* • 11L-D* * also with • 9L-D* • M5Sc-D
CrossXBeamCRI	<ul style="list-style-type: none"> • 6S-D • ML6-15-D*
Wide Sector:	<ul style="list-style-type: none"> • RIC5-9-D • C1-6-D • RIC6-12-D • RAB6-D • eM6C G3 • RM7C • RAB7-D • C2-9-D • RIC10-D • IC5-9-D

M-Mode	
Available on all probes (AMM not available on Vscan Air SL/CL)	
Working Modes	M (conventional M- Mode) AMM (Anatomical M-Mode)
Acoustic Power	1-100%
Gain	+15 (100%) to -25 dB (0%)
Radiant	Off/min/mid/max
Dynamic Contrast	1 – 12 in 0.5 step increments
Gray maps	21 (18 basic maps and 3 User-defined maps)
Tint maps	11 (10 colors, 1 greyscale)
Reject	51 steps from 0 to 255
Enhance	6 steps 0, 1, 2, 3, 4, 5
Sweep speed	1 - 6
B/M-Mode Quality	On/off
Review (memory times)	>60 s (32MB)
AMM Rotate	-90 to 90
Display Modes:	
• M: 2D+M, 2D+M/CFM, 2D+M/HD-Flow, 2D+M/SlowflowHD, 2D+M/TD	
• AMM: 2D+AMM, 2D/CFM+AMM/CFM, 2D/HD-Flow +AMM/HD-Flow, 2D/SlowflowHD +AMM/SlowflowHD, 2D/TD+AMM/TD	
Screen Formats: (window arrangement)	
• 2D+M and 2D+AMM: left/right (vertical): 50/50% up/down (horizontal): 40/60, 50/50, 60/40%	
• 2D+AMM+AMM: left/right-up/down: 50/25/25%	

M-Color Flow Mode	
Probes:	<ul style="list-style-type: none"> • C2-9-D • RIC10-D • RAB6-D • RM7C • RIC6-12-D • RAB7-D • eM6C G3 • IC5-9-D • C1-6-D • RIC5-9-D • M5Sc-D
Acoustic MCFM Power	1-100%
MCFM Color Maps	8 maps
CFM Gain	+/-15 dB range, 0.1 dB steps
CFM Velocity Scale Range	PRF: 150Hz to 20.5kHz
Wall Motion Filter	8 – 3000 Hz
Ensemble (color shots per line)	8-16, step size 1
Gentle color filter	
Smooth:	Rise: 12 steps Fall: 12 steps
CFM Spectrum Inversion	
CFM Baseline Shift	17 steps
Pre-settable and independently adjustable B-, M and MCFM Gain	

CFM Threshold	1 – 255 steps
Balance	25 – 225, step size 5
Artifact suppression	On/Off
Color Display Mode:	<ul style="list-style-type: none"> • V-P (Velocity + Power) • V (Velocity) • T (Turbulence) • V-T (Velocity + Turbulence) • P-T (Power + Turbulence)
Real-time Triplex Mode	B + M + MCFM in any depth

Color Doppler Mode	
Available on all probes	
Screen Formats	2D+CFM: Single, Dual, Quad
Display Modes:	
• Simultaneous dual mode: 2D/2D+CFM	
• Triplex mode: 2D+CFM/PW, 2D/M+MCFM	
• Volume Mode: 3D+CFM, STIC+CFM, eSTIC+CFM	
Color coding:	
• Steps: 65536 color steps	
• Display modes: V-T (velocity + turbulence), V (velocity), V-P (velocity + power), T (turbulence), P-T (power + turbulence)	
Gain	+15 dB to -15 dB, 0.2 dB steps
Acoustic output	1 – 100%
Pulse Repetition Frequency	CFM: 150 Hz to 20.5 kHz MCFM: 150 Hz to 20.5 kHz
Quality	Low/norm/high
Radiant/flow	Off/min/mid/max
Flow Profiles	6 presets
Depth range	Axial: 0 to B scan range Lateral: 0 to B scan range
Baseline shift	17 steps (independent from spectral Doppler)
Inversion of color direction	Yes
Wall Motion Filter	7 steps (low1, low2, mid1, mid2, high1, high2, max)
Smoothing Filter	12 steps rising time, 12 steps falling time
Threshold	1 - 255
Line Density (color line density)	10 steps
Ensemble (color shots per line)	CFM: 7 to 31; MCFM: 8 to 16
Flow Resolution	4 steps (low, mid1, mid2, high)
Balance	From 25 to 225
Center frequency	Low/mid/high
Line filter	Off/1-7
Color Maps	8 Maps
Frequency range	1 to 18 MHz depending on the probe, adjustable in 3 steps (low, mid, high)
Max. meas. velocity	4.23 m/sec
Min. meas. velocity	0.3 cm/sec
Scale	kHz, cm/s, m/s
Automatic moving tissue suppression	Yes
Max. Color Doppler Frame Rate	> 450 frames/sec

Power Doppler Mode (PD)	
Available on all probes except Vscan Air SL/CL	
Screen Formats	2D+PD: Single, Dual, Quad
Display Modes:	
• Simultaneous dual mode: 2D/2D+PD	
• Triplex mode: 2D+PD/PW	
• Volume Mode: 3D+PD	
PD coding	256 color steps

PD window size	Lateral: maximum to minimum B mode scan angle Axial: B-scan range
Display mode	P (power)
Wall motion Filter	7 steps (low1, low2, mid1, mid2, high1, high2, max)
Smoothing Filter	Rising edge: 12 steps Falling edge: 12 steps
Gain Control	+15 dB to -15 dB, 0.2 dB steps
PD Ensemble	7 to 31
PD Line Density	10 steps
Pulse Repetition Frequency	150 Hz to 20.5 kHz
Radiantflow	Off/min/mid/max
PD Map	8 different color codes for each probe
Frequency range	1 to 18 MHz depending on the probe, adjustable in 3 steps (low, mid, high)
Flow Resolution	4 steps (low, mid1, mid2, high)
Balance	From 25 to 225 in 41 steps
Artifact suppression	Yes

HD-Flow	
Available on all probes except Vscan Air SL/CL	
Screen Formats	2D+HDF: Single, Dual, Quad
Display Modes:	<ul style="list-style-type: none"> • Simultaneous dual mode: 2D/2D+HDF • Triplex mode: 2D+HDF/PW; 2D/M+MHDF • Volume mode: 3D+HDF
HD-Flow Coding Steps	256 color steps
HD-Flow window size lateral	Maximal to minimal B mode scan angle; axial: B-scan range
Wall Motion Filter	8 steps (low1, low2, mid1, mid2, high1, high2, max1, max2)
Smoothing Filter	12 steps rising edge 12 steps falling edge
Gain Control	+15 dB to -15 dB, 0.2 dB steps
HD-Flow Ensemble	7 to 31
HD-Flow Line Density	10 steps
Pulse Repetition Frequency	150 Hz to 20.5 kHz
HD-Flow Map	8 different color codes for each probe
Frequency Range	1 to 18 MHz depending on the probe adjustable in three steps (low, mid, high)
Flow Resolution	4 steps (low, mid1, mid2, high)
Balance	From 25 to 225
Line Filter	8 steps (off, 1 to 7)
Artifact suppression	Yes
Radiantflow level min/mid/max, available on all probes	

SlowflowHD	
Available on all probes, except M5Sc-D and Vscan Air SL/CL	
Screen Formats	Single, Dual, Quad, 2D+ SlowflowHD
Display Modes:	<ul style="list-style-type: none"> • Simultaneous dual mode: 2D/2D+ SlowflowHD • Triplex mode: 2D+ SlowflowHD /PW (triplex update); 2D+ SlowflowHD /M, 2D+ SlowflowHD /AMM
SlowflowHD Coding Steps	256 color steps
SlowflowHD window size lateral	Maximal to minimal B mode scan angle; axial: B-scan range

Wall Motion Filter	8 steps (low1, low2, mid1, mid2, high1, high2, max1, max2)
Smoothing Filter	12 steps
Gain Control	+15 dB to -15 dB, 0.2 dB steps
Line Density	10 steps
Pulse Repetition Frequency	auto adjusting
Map	8 different color codes for each probe
Frequency Range	1 to 18 MHz depending on the probe adjustable in three steps (low, mid, high)
Flow Resolution	4 steps (low, mid1, mid2, high)
Balance	From 25 to 225
Line Filter	8 steps (off, 1 to 7)
Artifact suppression	4 steps (off, low, mid, high)

Tissue Doppler Mode (TD)	
Probes:	<ul style="list-style-type: none"> • eM6C G3 • RIC5-9-D • RIC10-D • RIC6-12-D • C2-9-D • RAB6-D • RAB7-D • RM7C • C1-6-D • M5Sc-D
Screen Formats	2D+TD: Single, Dual, Quad
Display Modes	Simultaneous dual mode: 2D/2D+TD; Triplex mode: 2D+TD/PW, 2D/M+MTD;
TD coding steps	65536 color steps
Depth range	Axial: 0 to B-scan range Lateral: 0 to B-scan-range
Baseline shift	17 steps
Inversion of color direction	Yes
Smoothing Filter	12 steps rising time, 12 steps falling time
Gain Control	+15 dB to -15 dB, 0.2 dB steps
Line Density (color line density)	10 steps
Ensemble (Color shots per line)	3 to 31
Flow Resolution	4 steps (low, mid1, mid2, high)
Pulse Repetition frequency	150 Hz to 20.5 kHz
TD Map	4 different color codes for each probe
Frequency range	1 to 18 MHz depending on the probe, adjustable in 3 steps (low, mid, high)
Balance	From 25 to 225
Max. meas. velocity	4.23 m/sec
Min. meas. velocity	0.3 cm/sec
Display Mode	V (velocity)
Scale	kHz, cm/s, m/s

B-Flow	
B-Flow for all probes except: 6S-D, M5Sc-D, L8-18i-D and Vscan Air SL/CL	
Screen Formats	Single (BF), Dual (BF+BF), Quad (BF+BF+BF+BF)
Display Modes	BF, Update: BF/PW
Acc. Power range	1 – 100%
Scan angle	Taken from 2D
Gain range	+15 to -25 dB
Gray scale values	8 bit
SRI	Taken from 2D
Persistence filter	8 steps (pre)
S./PRI	1.00, 1.50, 2.00, 3.00, 4.00, 5.00
Quality	3 steps (pre) low, norm, high

Enhance	6 steps (pre) 0, 1, 2, 3, 4, 5
Gray maps	21 (18 basic maps and 3 User-defined maps)
Tint maps	10
Dynamic	12 different dynamic curves C1 – C12
Accumulation	Off, 0.20, 0.35, 0.50, 0.75, 1.00, 1.50, Infinite
Background	0, 1, 2

Graphicflow	
Available on: eM6C, RM7C, C2-9	
Screen Formats	Single (Graphicflow)

PW Doppler	
Available on all probes except Vscan Air SL/CL	
Gain	+15 dB to -25 dB, 0.2 dB steps
Pulse Repetition Frequency	Probe dependent
Radiant	Off/min/mid/max
Flow Profiles	6 presets
Sample volume position	Axial: 0 to B scan range Lateral: 0 to B scan range
Baseline shift	17 steps, -8 to 8
Inversion of flow direction	Yes
Wall Motion Filter	8 steps (probe dependent)
PW Angle	-85° to 85° in 1° increments
Gray maps	21 (18 basic maps and 3 User-defined maps)
Tint maps	11 (10 colors, 1 greyscale)
Center frequency	Low/mid/high
Sweep speed	1-6
Allow HPRF	On/off
Dynamic contrast	10 – 40 in 2 step increments
Frequency range	1 to 18 MHz depending on the probe, adjustable in 3 steps (low, mid, high)
Measurable velocities	<ul style="list-style-type: none"> 1cm/s – 8.47m/s (0° angle, 2.0MHz max. baseline shift) 1cm/s – 16.94m/s (60° angle, 2.0MHz max. baseline shift)
Scale display	Vertical: kHz, cm/s, m/s Horizontal: seconds
Screen Formats	2D+PW: vertical: 50/50% horizontal: 40/60, 50/50, 60/40%
Display Formats	2D+PW (duplex/triplex update/simultaneous)
Audio	Adjustable Stereo (both directions separately in both channels)

CW Doppler		
Probes with steerable CW:	6S-D 9L-D	C2-9-D C1-6-D M5Sc-D
Probes with non-steerable CW:	RAB6-D RAB7-D	
Gain	+15 dB to -15 dB, 0.5 dB steps	
Pulse Repetition Frequency	Probe dependent	
Flow Profiles	6 presets	
Sample volume position	Axial: 0 to B scan range Lateral: 0 to B scan range	
Baseline shift	17 steps, -8 to 8	
Inversion of flow direction	Yes	

Wall Motion Filter	7 steps (probe dependent)
CW Angle	-85° to 85° in 1° increments
Gray maps	21 (18 basic maps and 3 User-defined maps)
Tint maps	11 (10 colors, 1 greyscale)
Sweep speed	1-6
Dynamic contrast	10 – 40 in 2 step increments
Frequency range	1 to 18 MHz depending on the probe, adjustable in 3 steps (low, mid, high)
Measurable velocities	<ul style="list-style-type: none"> 1cm/s - 15.12m/s (0° angle, 2.0MHz max. baseline shift) 1cm/s – 30.42m/s (60° angle, 2.0MHz max. baseline shift)
Scale display	Vertical: kHz, cm/s, m/s Horizontal: seconds
Screen Formats	2D+CW: vertical: 50/50% horizontal: 40/60, 50/50, 60/40%
Display Formats	2D+CW (duplex/triplex update)
Audio	Adjustable Stereo (both directions separately in both channels)

PW-Tissue Doppler Mode (PW-TD)		
Probes:	<ul style="list-style-type: none"> eM6C G3 RIC5-9-D RIC10-D RIC6-12-D 	<ul style="list-style-type: none"> C2-9-D C1-6-D M5Sc-D RM7C
Operating Modes	2D+TD/PW (Tissue Doppler + Pulsed Wave Doppler, Single Gate)	
Transmit Frequencies	1.75..18 MHz	
Pulse Repetition Frequency	0.9..7.0 kHz	
Sample Volume (Doppler Gate)	Length: 0.7,1,2,3,4,5,6, 7,8,9,10,15 mm Position: 5 mm to B-scan end, Angle correction: -85°...0°...+85°	
Power control range	1-100	
Gain range	B-Mode: +15 to -25 dB TD: +15 to -15 dB PW: +15 to -25 dB	
WMF (Wall Motion Filter)	PW: 30..500 Hz,	
Baseline shift	± PRF/2, ± 8 steps	
Spectrum Analyzer	max. 128 frequencies, 256 amplitude levels	
PW sweep speeds	Duplex/Triples (26.44 / 13.22 / 8.81 / 6.61 / 4.40 / 2.94 cm/s)	
Review (memory time)	>60 s (32MB)	
Measurable velocities	1cm/s – 2.7m/s (a = 0°, 2.0MHz, max. zero shift) 1cm/s – 5.4m/s (a = 60°, 2.0MHz, max. zero shift)	
Signal processing	Dynamic range: 15 steps (10 to 40) Gray maps: 18 basic curves and 3 User-defined (pre, post) Tint maps: 11	
Scale display	Vertical: kHz, cm/s, m/s Horizontal: seconds	
Screen Formats	2D+TD/PW: vertical: 50/50% horizontal: 40/60, 50/50, 60/40%	
Display Formats	2D+TD/PW (duplex/triplex update/simultaneous);	

Audio	Adjustable Stereo (both directions separately in both channels)
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Volume Scan Module	
Vol. scan size: max. 128 MB for B-Mode volumes, max. 180 MB for Color Doppler volumes; The required memory space depends on scan parameters (VOL-box size and quality (low, mid1, mid2, high1, high2, max). Typical: 0.8-5 MB	
Lines/2D-image: max. 1024 (typ. 80 to 350)	
2D-images/volume: Up to 4096 (Acquisition mode dependent)	
Max. Volumes/sec.: >1200 (typ. 10-20), depending on probe and scanning parameters	
4D Volume Cine: up to 400 volumes, up to 1024 MB	
Rotation: 360°, 1° or 3° increments (X-, Y- and Z-axis)	
Magnification. Adjustable form 0.3 to a factor of 4.00	
Acquisition Modes:	
<ul style="list-style-type: none"> • 3D Static: <ul style="list-style-type: none"> - 3D (2D incl. CRI) - 3D/PD (incl. CRI) - 3D/CFM (incl. CRI) - 3D B-Flow - 3D/HD-Flow incl. CRI • STIC: <ul style="list-style-type: none"> - Fetal Cardio - STIC Angio: B/Power Doppler (incl. CRI) - STIC CFM: B/Color Doppler (incl. CRI) - STIC HD-Flow: B/HD-Flow (incl. CRI) - STIC B-Flow - STIC TD • eSTIC (eM6C G3 probe only): <ul style="list-style-type: none"> - STIC B (Fetal Cardio) - STIC CFM (B/Color Doppler) - STIC PD (B/Power Doppler) - STIC B/HD-Flow - STIC B/TD (B/Tissue Doppler) 	<ul style="list-style-type: none"> • 4D: <ul style="list-style-type: none"> - 4D Real Time - VCI-A - VCI-OmniView - STIC - eSTIC
Visualization Modes:	
<ul style="list-style-type: none"> • Render <ul style="list-style-type: none"> - 3D/4D Rendering (diverse surface and intensity projection modes) - SonoRenderlive • Sectional Planes <ul style="list-style-type: none"> - Multiplanar - OmniView, actual and projected view - Niche - SonoVCADlabor • TUI (Tomographic Ultrasound Imaging) (overview image+parallel slices) <ul style="list-style-type: none"> - TUI Standard - SonoVCADheart 	
Visualization Modes:	
<ul style="list-style-type: none"> • Volume Analysis <ul style="list-style-type: none"> - VOCAL: semi-auto/ manual segmentation tool (segmentation using touch screen), (3D Static only) + Threshold Volume: measure volume below and above a threshold - SonoAVCfollicle (Sono Automated Volume Count) - SonoAVCantral - SonoAVCgeneral - SonoCNS - Uterine Trace - SonoPelvicFloor • VCI (Volume Contrast Imaging) • HDlive Studio: 3 free moveable light sources and types 	
Render Modes:	
<ul style="list-style-type: none"> • HDlive Silhouette • HDlive Flow • Surface Enhanced • Color 	<ul style="list-style-type: none"> • HDlive Studio+ • HDlive Flow Silhouette • Transparency modes: max-min- and X-ray • Gradient Light

<ul style="list-style-type: none"> • Mix Mode of two render modes • Surface Texture • Surface Smooth 	<ul style="list-style-type: none"> • Inversion • Glass Body • Light
Display graphics:	
<ul style="list-style-type: none"> • Rotation axis, center point • ROI box, 3D Frame • Temporary display of onscreen controls (rotation, translation) 	
Gray maps: Slices: 21 (18 basic curves and 3 User-defined (pre, post) 3D Image: one general map adjustable with bright (-50 to +50) & contrast (-50 to +50))	
Tint maps: Slices: 10; 3D image: 10	
Depth render maps: 3	
V-SRI:	<ul style="list-style-type: none"> • RIC6-12-D • RM7C
<ul style="list-style-type: none"> • RIC5-9-D • RIC10-D 	<ul style="list-style-type: none"> • RAB6-D • RAB7-D • eM6C G3

Contrast Imaging†	
Probes:	<ul style="list-style-type: none"> • 9L-D • C1-6-D • M5Sc-D • ML6-15D • RIC5-9-D
Low MI Contrast Capabilities	
Acc. Power range	1 – 100
Scan angle	Taken from 2D
Gain range	+15 to -25 dB
Gray scale values	32 bit
SRI	Taken from 2D
Persistence filter	8 steps (pre)
S./PRI	1.00, 1.50, 2.00, 3.00, 4.00, 5.00
Quality	3 steps low, norm, high
Enhance	6 steps (pre) 0, 1, 2, 3, 4, 5
Gray maps	21 (18 basic maps and 3 User-defined maps)
Tint maps	10
Dynamic	12 different dynamic curves C1 – C12
Accumulation	Off, 0.20, 0.35, 0.50, 0.75, 1.00, 1.50, Infinite
Background	0, 1, 2
Time Delay	0, 0.5, 1, 2, 3, ...10
Display Modes:	
Coded PI	Coded PI: CIS Coded PI: CCIS
Screen Formats:	
<ul style="list-style-type: none"> • Code PI: Single (B), Dual (B+B), Quad (B+B+B+B) • CIS: Dual simultan (2D+Coded PI) • CCIS: Single (B), Dual (B+B), Quad (B+B+B+B) 	
Contrast Analysis Capabilities: up to 3 user adjustable ROIs with comparative analysis on complex curves	

Compression Elastography	
Probes:	<ul style="list-style-type: none"> • RIC5-9D • RIC10-D • 11L-D • IC5-9-D • ML6-15-D
Acoustic Power range: 1 – 100	
Tx Frequency: 3 (penet/norm/resol)	
Transparency: 51 steps (0,5, 10, ...255)	
Soft Compress:	
<ul style="list-style-type: none"> • Range: 0-9 	<ul style="list-style-type: none"> • Step Size: 1
Hard Compress	
<ul style="list-style-type: none"> • Range: 0-9 	<ul style="list-style-type: none"> • Step Size: 1
PRF: 10, 15, 25, 40, 60, 85 Hz	
Elasto Maps: 8	
Persistence:	

• Range: 1-9	• Step Size: 1
Line Dens.:	Range: 1-2
Filter Axial:	
• Range: 1-9	• Step Size: 1
Filter Lateral:	
• Range: 1-21	• Step Size: 2
Window Length:	
• Range: 8-25	• Step Size: 1
Screen Formats:	
• Single (2D/Elasto)	
• Dual (2D/Elasto+2D/Elasto)	
• Quad (2D/Elasto+2D/Elasto+2D/Elasto+2D/Elasto)	
Elastography Analysis up to 4 user adjustable ROIs with comparative analysis on complex curves	
Elastography Ratio Measurement	

Shear Wave Elastography^{††††}	
Probes:	• C1-6-D
Acoustic Power range:	1 – 100
Gain:	0 - 100
Frequency:	50 – 400 Hz
Transparency:	51 steps (0,5, 10, ...255)
Elasto Maps:	8
Velocity Scale:	2,0 – 10,0 m/s (22 steps)

Bi-Plane Mode (available on eM6C G3 only)	
Acc. Power range	1 – 100
Scan angle	B-Mode angle: 85° Bi-Plane angle: 90°
Gain range	+15 to -25 dB
Gray scale values	8 bit
SRI	5 steps (1-5)
CRI	8 steps (1-8)
Persistence filter	8 steps (pre)
Line filter:	3 steps (pre) off, low (12,5/75/12,5%), high (25/50/25%)
Line Density:	3 steps (pre) low, norm, high
Reject:	51 steps (pre) from 0 to 255
Enhance:	6 steps 0, 1, 2, 3, 4, 5
Gray maps:	21 (18 basic & 3 User-defined maps)
Tint maps:	10
Dynamic:	12 different dynamic curves C1–C12
Steering:	Max 20° (+/- 10°)

Measurements

Generic measurements	
Distance:	
• Distance (Point to Point)	• 2D Trace (Point Length)
• Distance (Line to Line)	• Stenosis (% Dist.)
• 2D Trace (Trace Length)	• Ratio D1/D2
Area/Circumference:	
• Ellipse	• Stenosis (%Area)
• Trace (Line)	• Area (2 Dist.)
• Trace (Point)	• Ratio A1/A2
Volume: following Methods:	
• 1 Distance	• 3 Distance
• 1 Ellipse	• Multiplane-Planimetric
• 1 Dist. + Ellipse	Volume (3D only)
Angle:	
• Angle (3 Point)	• Angle (2 Line)

M-Mode:		
• Distance (Point to Point)	• HR	
• Time	• Stenosis (% Dist.)	
• Slope	• IMT	
• Vessel Diam.	• Stenosis Diam.	
• Ratio D1/D2		
PW Doppler Mode:		
• Auto & Manual Trace:		
- PS (Peak Systole)		
- ED (End Diastole)		
- MD (Mid. Diastole)		
- S/D (Ratio)		
- TAmx		
- HR		
- PI (Pulsatility Index)		
- RI (Resistance Index)		
• Vol. Flow		
• PGmax, PGmean		
• TAmx (Time avg. max. Velocity)		
• TAmx (Time avg. mean Velocity)		
• VTI (Velocity Time Integral)		
Heart Rate		
Vessel:		
• R/L Vessel area	• R/L Stenosis area	
• R/L Vessel diam.	• R/L Stenosis diam.	
• R/L IMT	• R/L Flow diam.	
Single	• PS/ED	• Acceleration
Measurements:	• RI	• HR
• Velocity	• PI	• ED
• Time	• PS	

Abdomen calculations	
Liver	Gallbladder
Pancreas	Spleen
Kidney (right/left)	Renal Artery (right/left)
Aorta (Proximal, Mid, Distal)	Portal Vein
Vessel	Bladder Volume
Summary Reports	

Small part calculations	
Thyroid (right/left)	
Testicle (right/left)	
Dorsal Penile Artery (right/left)	
Vessel	
Summary Reports	

Small part breast calculations	
Lesion 1-5 (right/left)	
Summary Reports	

Obstetrics calculations	
Fetal Biometry	
Early Gestation	
Fetal Long Bones	
Fetal Cranium	
NT Method: SonoNT/Manual	
AFI	
Uterus	
Ovary right/left	
Umbilical Vein	
Placenta Volume	
Ductus venosus: S, D, a, PI, PLI, PVIV	

Doppler measurements: Ductus Art., Ductus Ven., Ao, Carotid, MCA, Celiac Artery, Superior Mesenteric Artery, Umbilical Art., Umbilical Vein, FHR, Uterine Art.
Gestational Age Calculation
Gestational Growth Calculation
Fractional Limb Volume
Fetal Weight (FW) Estimation
Fetal Trend Graphs
Multi-Gestational Calculation & Fetal Compare Calculation and Ratios
Fetal Qualitative Description (Anatomical assessment)
Fetal Environmental Description (Biophysical profile)
Summary Reports

Obstetrics Fetal Echo
Chambers
Thorax
Aorta/LVOT
Pulmonary/RVOT
Venous
fetalHQ
FHR
Tricuspid valve
Mitral Valve
Aortic
Pulmonary
LPA
RPA
Ductus Art.
Cardiac Output
LT TEI
RT TEI
Ductus Ven.
Umbilical Vein
Pulmonary Veins
Summary Reports

Obstetrics Z-scores
<ul style="list-style-type: none"> • Long Axis • Aortic Arch • Short Axis • Thorax • Obl. Short axis • 4 Chambers • Summary Reports

fetalHQ
<ul style="list-style-type: none"> • Global Heart Size: Length, Width, Area, Axis • Global Heart Shape: Sphericity Index • Ventricular Size (for RV & LV): Area, BAL, Transverse Diameter (24 segment) • Ventricular Shape (for RV & LV): Sphericity Index (24 segment) • Ventricular Contractility: Area Fractional Shortening, Global Strain, Transverse Diameter Shortening (24 segment), BAL Shortening, Annular Plane Systolic Excursion, Lateral and Septal Wall Strain

Cardiology calculations
2D Mode:
<ul style="list-style-type: none"> • LV Simpson (Single & Bi-Plane) • Volume (Area Length) • LV-Mass (Epi & Endo Area, LV Length) • LV (RVD, IVS, LVD, LVPW) • LVOT Diameter • RVOT Diameter • MV (Dist A, Dist B, Area) • TV (Diameter)

<ul style="list-style-type: none"> • AV/LA (Aortic Valve/Left Atrium) • PV (Diameter)
M-Mode:
<ul style="list-style-type: none"> • LV (IVS, LVD, LVPW, RVD) • AV/LA (Ao Root Diam, LA Diam, AV Cusp Sep., Ao Root Ampl) • MV(D-E, E-F Slope, A-C Interval, EPSS) • HR (Heart Rate) Atrial HR
PW-Mode:
<ul style="list-style-type: none"> • MV (Mitral Valve) • AV (Aortic Valve), TV (Tricuspid Valve) • PV (Pulmonary Valve) • LVOT & RVOT Doppler (Left & Right Ventricle Outflow Tract) • Pulmonic Veins • PAP (Pulmonary Artery Pressure measurement) • HR (Heart Rate) • TEI-Index
C-Mode:
<ul style="list-style-type: none"> • PISA
Others:
<ul style="list-style-type: none"> • Diast. Vol (Bi) • Syst. Vol. (Bi) • Stroke Volume • Volume Flow • Cardiac Output • Ejection Fraction • Fractional Shortening • Myocardial Thickness • LA/Ao Ratio • E/A Peak • Peak Gradient Acceleration • SVR/SVRI • Mean Gradient • Mean Gradient Acceleration • VTI • TVA • PG • PHT • MVA • AVA • ERO • CVP (Cardio Vascular Profile) Score
Summary Reports

Transrectal calculations
Prostate
Vessel
Summary Reports incl. PSAD, PPSA(1), PPSA(2) calculation

Vascular calculations
Left/Right CCA (Common Carotid Artery)
Left/Right ICA (Internal Carotid Artery)
Left/Right ECA (External Carotid Artery)
Left/Right Vertebral Artery
Left/Right Subclav.
Left/Right Bulb
Vessels
Summary Reports

Gynecology calculations
Uterus
Left/Right Ovary
Left/Right Follicle: Manual / Auto Caliper
Fibroid/Myoma
Endometrial thickness (Dist, Double Dist.)
Cervix Length
Left/Right Ovarian Artery
Left/Right Uterine Artery
Vessels
Pelvic Floor
Left/Right Ovarian Cyst
Left/Right Ovarian Mass
Left/Right Adnexal Cyst
Generic Cyst
Left/Right Adnexal Mass
Generic Mass

Bladder (Length/Width/Height/Vol)
GYN IOTA LR2, Simple Rules and ADNEX Model ^{††††}
IETA Protocol
Sonohysterography - unenhanced ultrasound examination and enhanced ultrasound examination ^{††††}
IDEA Protocol
Uterus classification (ESHRE/ESGE and ASRM)
O-RADS
Summary Reports

Pediatric calculations
Left/Right Hip Joint
Pericallosal Artery
Summary Report

Cephalic calculations
Left/Right ACA (Anterior Cerebral Artery)
Left/Right MCA (Middle Cerebral Artery)
Left/Right PCA (Posterior Cerebral Artery)
Basilar Artery
A-Com. A (Anterior Com. Artery)
P-Com. A (Posterior Com. Artery)
Left/Right CCA (Common Carotid Artery)
Left/Right ICA (Internal Carotid Artery)
Left/Right Vertebral Artery
Vessels
Summary Reports

OB Tables

Age Tables
<ul style="list-style-type: none"> • AC: ASUM, CFEF, Hadlock_82, Hadlock_84, Hansmann, Hobbins, Intergrowth, Jeanty, JSUM, Kurmanavicius, Merz, Nicolaides, Shinozuka, Siriraj, Tokyo, WHO • AD: Persson • APAD: Merz • APTD: Hansmann • APTDxTTD: Shinozuka, Tokyo • BOD: Jeanty • BPD: ASUM, ASUM (old), Campbell, CFEF, Chitty (outer-outer) (outer-inner), Eik-Nes, Hadlock_82, Hadlock_84, Hansmann, Hobbins, Intergrowth, Jeanty, Johnsen, JSUM, Kurmanavicius, Kurtz, Leung, McLennan, Merz, Nicolaides, OSAKA, Persson, Rempen, Sabbagha, Shinozuka, Siriraj, Tokyo, UltraARG, Verburg, WHO • CEREB: Chavez, Chitty, Goldstein, HILL, Hobbins, Nicolaides, Verburg • CLAV: YARKONI • CRL: ASUM, DAYA, Eik-Nes, Hadlock, Hansmann, Intergrowth, JSUM, McLennan, Persson, Pexters, Nelson, OSAKA, Rempen, Robinson, Robinson_BMUS, Sahota, Shinozuka, Tokyo, Verburg • FL: ASUM, CFEF, Chitty, Eik-Nes, Hadlock_82, Hadlock_84, Hansmann, Hobbins, Hohler, Intergrowth, Jeanty, Johnsen, JSUM, Kurmanavicius, Leung, Persson, Merz, Nicolaides, O'Brien, OSAKA, Shinozuka, Siriraj, Tokyo, UltraARG, WARDA, WHO • FTA: OSAKA • FIB: Jeanty • GS: Hansmann, Hellman, Holländer, Nyberg, Rempen, Tokyo • HC: ASUM, CFEF, Chitty, Hadlock_82, Hadlock_84, Hansmann, Jeanty, Kurmanavicius, Leung, Merz, Nicolaides, Siriraj, Johnsen • HL: ASUM, Hobbins, Jeanty, Merz, OSAKA • LV: Tokyo • MAD: Eik-Nes, eSnurra, Kurmanavicius • OFD: ASUM, Chitty, Hansmann, Jeanty, Kurmanavicius, Merz, Nicolaides • RAD: Jeanty, Merz • TIB: Jeanty Merz • TAD: CFEF, Merz • TTD: Hansmann • ULNA: Jeanty, Merz

Growth Tables
<ul style="list-style-type: none"> • AC: ASUM, CFEF, Chitty, Hadlock, Hadlock82, Hansmann, Jacot-Guillarmod, Jeanty, Johnsen, JSUM, Kurmanavicius, Lai_Yeo, Lessoway, Leung, Merz, Nicolaides, Paladini, Shinozuka, Siriraj, Stork, Tokyo, Verburg, Medvedev, Intergrowth, WHO • AD: Persson • AFI: Moore • Aorta: Vmax: Rizzo • Aolst ED, PI, RI, PS, TAmx: DelRio2006 • APAD: Merz • APTD: Hansmann • APTDxTTD: Shinozuka_SD • AxT: Shinozuka, Tokyo • BOD: Jeanty • BPD: ASUM, Campbell, CFEF, Chitty, Eik-Nes, Hadlock, Hadlock82, Hansmann, Jacot-Guillarmod, Jeanty, JSUM, Kurmanavicius, Lai_Yeo, Lessoway, Leung, McLennan, Merz, Nicolaides, Paladini, Persson, OSAKA, Sabbagha, Shinozuka, Siriraj, Stork, Tokyo, Verburg, Medvedev, Intergrowth, WHO • CLAV: YARKONI • CM: Nicolaides • CPR: Baschat, Ebbing • CRL: ASUM, Hadlock, Hansmann, Intergrowth, JSUM, McLennan, Persson, OSAKA, Robinson, Robinson 1993, Shinozuka, Tokyo, Pexters, Medvevev • DV a/S: JSUM

- DV PI: Baschat, JSUM
- DV PLI: Baschat
- DV PVIV: Baschat
- DV S/a: Baschat
- FL: ASUM, CFEF, Chitty, Eik-Nes, Hadlock, Hadlock82, Hansmann, Jacot-Guillarmod, Jeanty, Johnsen, JSUM, Kurmanavicius, Lai_Yeo, Lessoway, Leung, Merz, Nicolaidides, O'Brien, OSAKA, Paladini, Persson, Shinozuka, Siriraj, Stork, Tokyo, Verburg, WARDA, Medvedev, Intergrowth, WHO
- FTA: OSAKA
- FIB: Chitty, Jeanty, JFFSD, Siriraj
- FWg: Alexander
- Foot: Chitty
- GS: Hellman, Nyberg, Rempen, Tokyo
- HC: ASUM, CFEF, Chervernak, Chitty, Hadlock, Hadlock82, Hansmann, Jacot-Guillarmod, Jeanty, Johnsen, Kurmanavicius, Lai_Yeo, Lessoway, Leung, Merz, Nicolaidides, Paladini, Siriraj, Stork, Verburg, Medvedev, Intergrowth, WHO
- HL: ASUM, Chitty, Jeanty, Lai_Yeo, Merz, JFFSD, OSAKA, Paladini, Siriraj, Medvedev
- IFA: Rotten
- IVC PLI: JSUM
- Kidney L/W/H: Chitty(2003), Vuurren
- Kidney Vol: Chitty(2003)
- Kidney RPAP: Chitty(2003), Vuuren, Romero, Hansmann
- Lt.Tei(ICT,IRT), Lt.Tei(a,b): Bhorat
- Lung Area Left/Right: Peralta
- LV: Tokyo
- MAD: Eik-Nes, eSnurra, Kurmanavicius
- MainPA Vmax: Rizzo
- MCA CP: Ebbing
- MCA PI: Bahlmann, Baschat, Ebbing, JSUM
- MCA RI: JSUM, Bahlmann
- MCA PV: Mari
- MCA PS, TAmx: Schaffer
- MNM Ang: deJong-Pleij
- MV E/A: HARADA
- NBL: BUNDUKI, SONEK, Medvedev, Orlandi
- NT: Nicolaidides, Yagel
- OFD: ASUM, Chitty, Hansmann, Jeanty, Kurmanavicius, Merz, Nicolaidides, Medvedev, Intergrowth
- MainPA Vmax: Rizzo
- RAD: Chitty, Jeanty, JFFSD, Merz, Paladini, Siriraj
- SAG. AP: Malinger
- SAG. CC: Malinger
- Stomach APD: Goldstein
- Stomach LD: Goldstein
- Stomach TD: Goldstein
- TAD: CFEF, Jacot-Guillarmod, Merz
- TC: Chitkara
- TCD: Goldstein, Hill, Jacot-Guillarmod, Nicolaidides, Verburg
- Thym. Dia: Pittyanont
- Thyr. Circ: Ranzini
- ThyTh: Karl
- TIB: Chitty, Jeanty, JFFSD, Merz, Siriraj
- TTD: Hansmann
- TV E/A: HARADA
- ULNA. Chitty, Jeanty, JFFSD, Merz, Paladini, Siriraj
- UmbArt PI: Baschat, Ebbing, JSUM, Merz, Schaffer, Drukker
- UmbArt RI: JSUM, Merz, Kurmanavicius, Schaffer, Drukker
- UmbArt S/D: Drukker
- UtArtPI: Gomez, Merz, Schaffer
- UtArtRI: Merz, Schaffer
- Vermis A: Malinger
- Vermis C: Malinger
- Fractional Limb Avol/Tvol: Lee

Fetal Weight Estimation (EFW)

- Campbell (AC)
- Hadlock (AC, BPD)
- Hadlock 1 (AC, FL)
- Hadlock 2 (BPD, AC, FL)
- Hadlock 3 (HC, AC, FL)
- Hadlock 4 (BPD, HC, AC, FL)
- Hansmann (BPD, TTD)
- Intergrowth (AC, HC)
- Lee (AVOL; AC, AVOL; AC, BDP, AVOL; TVOL; AC, TVOL; AC, BDP, TVOL)
- Merz (AC, BPD)
- Osaka (BPD, FTA, FL)
- Persson (BPD, MAD, FL)
- Persson 2, Schild (HC, AC, FL)
- Shepard (AC, BPD)
- Shinozuka 1 (BPD, ADTP, TTD, FL)
- Shinozuka 2 (BPD, FL, AC)
- Shinozuka 3 (BPD, APTD, TTD, LV)
- Tokyo (BPD, APTD, TTD, FL)

Gestational Age by EFW

- CFEF, Hadlock, Intergrowth, JSUM 2001, Osaka, Shinozuka, Tokyo, WHO

Fetal Weight Growth FWG

- Alexander, Ananth, Bourgogne, Brenner, Burgundy, CFEF, Doubilet, Duryea, Ego, Eik-Nes, Hadlock, Hansmann, Hansmann (86), Hobbins/Persutte, Intergrowth, Johnsen, Jsum 2001, Kramer, Persson, Osaka, Shinozuka, Tokyo, Williams, WHO, Yarkoni

Fetal Ratios

- CC/TC
- CI (BPD/OFD) (Hadlock)
- FL/AC (Hadlock)
- FL/BPD (Hohler)
- FL/HC (Hadlock), (WHO)
- HC/AC (Campbell)
- Va/Hem (Nicolaidides), (Hansmann)
- Vp/Hem (Nicolaidides)
- LHR (Peralta)
- LTR
- CVR (Peranteau)
- TT (Karl)
- AOI/DUCTART (DelRio)
- MD/MX (Rotten)
- Lt./Rt. Opht.Art

Probes

C1-6-D	
XDclear Wide Band Convex Probe	
Applications	Abdomen, OB, GYN, Fetal Cardio
Max. Bandwidth (-20dB) ^{†††}	2-5 MHz
Number of Elements	192
Convex Radius	55 mm
FOV	113°
Foot Print	70 x 16 mm
Depth	Max. 50 cm
Center Frequency	3.4 MHz
B-Mode Frequency	2.00 MHz
Harmonic Frequency	2.00 – 2.56 MHz
Doppler Frequency	2,50 – 3.85 MHz

C2-9-D	
XDclear Wide Band Convex Probe	
Applications	Abdomen, OB, GYN, Pediatrics, Fetal Cardio
Max. Bandwidth (-20dB) ^{†††}	3-9 MHz
Number of Elements	192
Convex Radius	43 mm
FOV	100°
Foot Print	51 x 14 mm
Depth	Max. 28 cm
Center Frequency	5.0 MHz
B-Mode Frequency	4.00 – 7.14 MHz
Harmonic Frequency	2.63 – 3.57 MHz
Doppler Frequency	3.03 – 5.00 MHz

RAB6-D	
Wide Band Convex Volume Probe	
Applications	Abdomen, OB, GYN, Pediatrics
Max. Bandwidth (-20dB) ^{†††}	2-8 MHz
Number of Elements	192
Convex Radius	47 mm
Volume Sweep Radius	24 mm
FOV	90° (B), 90° x 85° (Volume scan)
Foot Print	62 x 34 mm
Depth	Max. 26 cm
Center Frequency	4.4 MHz
B-Mode Frequency	3.23 – 6.67 MHz
Harmonic Frequency	2.63 – 3.70 MHz
Doppler Frequency	3.03 – 5.00 MHz

RAB7-D	
XDclear Wide Band Convex Volume Probe	
Applications	Abdomen, OB, GYN, Pediatrics
Max. Bandwidth (-20dB) ^{†††}	2-8 MHz
Number of Elements	192
Convex Radius	48 mm
Volume Sweep Radius	24 mm
FOV	90° (B), 90° x 85° (Volume scan)
Foot Print	62 x 34 mm
Depth	Max. 26 cm
Center Frequency	5 MHz
B-Mode Frequency	3.23 – 6.67 MHz
Harmonic Frequency	2.44 – 3.70 MHz
Doppler Frequency	3.03 – 5.00 MHz

IC5-9-D	
Wide Band Convex Probe	
Applications	OB, GYN, Transrectal
Max. Bandwidth (-20dB) ^{†††}	4-9 MHz
Number of Elements	192
Convex Radius	10 mm
FOV	189°
Foot Print	21 x 17 mm
Depth	Max. 18 cm
Center Frequency	5.8 MHz
B-Mode Frequency	5.00 – 9.09 MHz
Harmonic Frequency	3.45 – 3.85 MHz
Doppler Frequency	4.00 – 5.26 MHz

RIC5-9-D	
Wide Band Convex Volume Probe	
Applications	OB, GYN, Transrectal
Max. Bandwidth (-20dB) ^{†††}	4-9 MHz
Number of Elements	192
Convex Radius	10 mm
Volume Sweep Radius	12 mm
FOV	189°(B), 189° x 120° (Volume scan)
Foot Print	22 x 23 mm
Depth	Max. 18 cm
Center Frequency	6.6 MHz
B-Mode Frequency	5.00 – 9.09 MHz
Harmonic Frequency	3.45 – 3.85 MHz
Doppler Frequency	4.00 – 5.26 MHz

RIC10-D	
XDclear Wide Band Convex Volume Probe	
Applications	OB, GYN, Transrectal
Max. Bandwidth (-20dB) ^{†††}	4-9 MHz
Number of Elements	238
Convex Radius	10 mm
Volume Sweep Radius	12 mm
FOV	208°(B), 208° x 160° (Volume scan)
Foot Print	24 x 24 mm
Depth	Max. 18 cm
Center Frequency	6.5 MHz
B-Mode Frequency	5.00 – 7.69 MHz
Harmonic Frequency	4.00 – 4.34 MHz
Doppler Frequency	4.00 – 5.26 MHz

Probes (cont.)

M5Sc-D	
XDclear Wide Band Phased Array Probe	
Applications	Cardiology, OB, Fetal Echo, Pediatrics, Cephalic
Max. Bandwidth (-20dB) ^{†††}	1-4MHz
Number of Elements	240
FOV	90°
Foot Print	28 x 18 mm
Depth	Max. 24 cm
Center Frequency	2.9 MHz
B-Mode Frequency	2.44 – 3.33 MHz
Harmonic Frequency	1.61 – 2.17 MHz
Doppler Frequency	1.85 – 2.50 MHz

6S-D	
Wide Band Phased Array Probe	
Applications	Small Parts, Cardiology, Pediatrics
Max. Bandwidth (-20dB) ^{†††}	2-7 MHz
Number of Elements	96
FOV	90°
Foot Print	24 x 17 mm
Depth	Max. 18 cm
Center Frequency	4.5 MHz
B-Mode Frequency	4.17 – 6.25 MHz
Harmonic Frequency	3.13 – 4.17 MHz
Doppler Frequency	2.38 – 4.76 MHz

L8-18i-D	
Wide Band Linear Probe	
Applications	Small Parts, MSK, Pediatric
Max. Bandwidth (-20dB) ^{†††}	5-14 MHz
Number of Elements	168
FOV	25 mm
Foot Print	35 x 11 mm
Depth	Max. 12 cm
B-Mode Steering Angle	7°/14°/25°
Color Doppler Steering Angle	7°/14°/25°
Center Frequency	9.5 MHz
B-Mode Frequency	7.14 – 12.50 MHz
Harmonic Frequency	5.88 – 7.14 MHz
Doppler Frequency	6.67 – 10.00 MHz

11L-D	
Wide Band Linear Probe	
Applications	Small Parts, Pediatrics, MSK, Peripheral Vascular, Breast
Max. Bandwidth (-20dB) ^{†††}	4-10 MHz
Number of Elements	192
FOV	38 mm
Foot Print	47 x 13 mm
Depth	Max. 11 cm
B-Mode Steering Angle	7°/14°/20°
Color Doppler Steering Angle	7°/14°/20°
Center Frequency	7.3 MHz
B-Mode Frequency	6.67 – 10.00 MHz
Harmonic Frequency	4.55 – 5.00 MHz
Doppler Frequency	5.26 – 7.14 MHz

9L-D	
Wide Band Linear Probe	
Applications	Small Parts, Pediatrics, MSK, Peripheral Vascular, OB
Max. Bandwidth (-20dB) ^{†††}	3-8 MHz
Number of Elements	192
FOV	44 mm
Foot Print	53 x 14 mm
Depth	Max. 14 cm
B-Mode Steering Angle	7°/14°/20°
Color Doppler Steering Angle	7°/14°/20°
Center Frequency	5.5 MHz
B-Mode Frequency	4.55 – 10.00 MHz
Harmonic Frequency	2.86 – 2.86 MHz
Doppler Frequency	3.70 – 5.26 MHz

ML6-15-D	
Wide Band Matrix Linear Probe	
Applications	Small Parts, Peripheral Vascular, Pediatrics, MSK, Breast
Max. Bandwidth (-20dB) ^{†††}	4-13 MHz
Number of Elements	1008
FOV	50 mm
Foot Print	61 x 16 mm
Depth	Max. 16 cm
B-Mode Steering Angle	7°/14°/20°
Color Doppler Steering Angle	7°/14°/20°
Center Frequency	9.0 MHz
B-Mode Frequency	8.33 – 11.11 MHz
Harmonic Frequency	5.00 – 6.25 MHz
Doppler Frequency	6.25 – 9.09 MHz

RSP6-16-D	
Wide Band Linear Volume Probe	
Applications	Small Parts, Pediatrics, MSK, Peripheral Vascular, Breast
Max. Bandwidth (-20dB) ^{†††}	6-18 MHz
Number of Elements	192
Volume Sweep Radius	81 mm
FOV	38 mm (B), 38 mm x 29° (Volume scan)
Foot Print	56 x 49 mm
Depth	Max. 8 cm
B-Mode Steering Angle	7°/14°/20°
Color Doppler Steering Angle	7°/14°/20°
Center Frequency	11.5 MHz
B-Mode Frequency	8.33 – 12.50 MHz
Harmonic Frequency	5.26 – 5.26 MHz
Doppler Frequency	6.25 – 8.33 MHz

Probes (cont.)

Vscan Air CL		
Wide Band Convex & Linear Probe		
Applications	Abdomen, Vascular, Cardiology, Obstetrics & Gynecology, Pediatrics incl. Neonatal Cephalic, Musculoskeletal incl. Nerve, Small Parts, Interventiona	
Weight	205g	
	Curved	Linear
Max. Bandwidth (-20dB) ^{†††}	2-5 MHz	3-12 MHz
Number of Elements	128	192
FOV	55°	38mm
Foot Print	64 x 16 mm	40 x 7 mm
Depth	Max. 24 cm	Max. 8 cm
Center Frequency	3.3 MHz	7.7 MHz

Vscan Air SL		
Wide Band Sector & Linear Probe		
Applications	Abdomen, Vascular, Cardiology, Obstetrics & Gynecology, Pediatrics incl. Neonatal Cephalic, Musculoskeletal incl. Nerve, Small Parts, Interventiona	
Weight	205g	
	Sector	Linear
Max. Bandwidth (-20dB) ^{†††}	2-4 MHz	3-12 MHz
Number of Elements	64	192
FOV	90°	38mm
Foot Print	22 x 17 mm	40 x 7 mm
Depth	Max. 24 cm	Max. 8 cm
Center Frequency	2.7 MHz	7.7 MHz

RIC6-12-D	
Wide Band Convex Volume Probe	
Applications	OB, GYN, Transrectal
Max. Bandwidth (-20dB) ^{†††}	5-13 MHz
Number of Elements	256
Convex Radius	10 mm
Volume Sweep Radius	12 mm
FOV	190°(B), 190° x 120° (Volume scan)
Foot Print	23 x 22 mm
Depth	Max. 13 cm
Center Frequency	9.1 MHz
B-Mode Frequency	6.25 – 10.00 MHz
Harmonic Frequency	4.76 – 5.56 MHz
Doppler Frequency	6.67 – 8.33 MHz

RM7C	
XDclear Wide Band Active Matrix Convex Volume Probe	
Applications	Abdomen, OB, GYN, Pediatrics, Fetal Cardio
Max. Bandwidth (-20dB) ^{†††}	2-8 MHz
Number of Elements	576
Convex Radius	50 mm
Volume Sweep Radius	23 mm
FOV	90° (B), 90° x 85° (Volume scan)
Foot Print	66 x 40 mm

Depth	Max. 26 cm
Center Frequency	4.5 MHz
B-Mode Frequency	4.00 – 7.14 MHz
Harmonic Frequency	2.63 – 3.33 MHz
Doppler Frequency	3.03 – 4.17 MHz

eM6C G3	
Wide Band Convex Volume Probe with Active 2D Electronic Matrix Array Technology	
Applications	Abdomen, OB, GYN, Fetal Cardio
Max. Bandwidth (-20dB) ^{†††}	2-6 MHz
Number of Elements	8192
Convex Radius	51 mm
FOV	85° (B), 85° x 90° (Volume Scan)
Foot Print	60 x 32 mm
Depth	Max. 26 cm
Center Frequency	4.0 MHz
B-Mode Frequency	3.85 – 5.56 MHz
Harmonic Frequency	2.04 – 3.13 MHz
Doppler Frequency	2.38 – 3.57 MHz

Biopsy Guides available for :		
Probes:	• C2-9-D	• IC5-9-D
• 11L-D	• C1-6-D	• RIC5-9-D
• 9L-D	• RAB6-D	• RIC6-12-D
• ML6-15-D	• RAB7-D	• RIC10-D

Connectivity & Service Tools

External Connectors
Ethernet Network (RJ45 -1.0Gbps/100Mbps/10Mbps) with connector protection
Wireless Network and Bluetooth interface (USB) (Option)
USB 3.0 (5x) Type A
USB 3.0 (2x) Type C
USB 2.0 (4x) Type C
S-Video out
VGA out
HDMI out

Service Tools
Data Export capabilities for Asset Performance Analytics
Probe Vita: On-board probe quality assessment determining probe performance based on electroacoustic or impedance measurements in accordance with FDA 510(k) requirements.
Verisound Fleet (cloud-based preset management)
Electronic delivery of software updates

Safety Conformance

Applicable standards
EN55011 group 1 class A (CISPR 11 amendment 1)
CE marked acc. to Medical Device Regulation (MDR) (EU) 2017/745 on Medical Devices
IEC ^{††} 60601-1 Electrical Medical Equipment
IEC ^{††} 60601-1-2 Electromagnetic compatibility
IEC ^{††} 60601-1-6 Usability
IEC ^{††} 62304 Software Life Cycle Processes
IEC ^{††} 62366-1 Application of usability engineering to medical devices
IEC ^{††} 60601-2-37 Particular requirements for the safety of ultrasound medical diagnostic and monitoring equipment
ISO 10993 Biological evaluation of medical devices
IEC 62359 Ultrasonic - Field characterization - Test methods for the determination of thermal and mechanical indices related to medical diagnostic ultrasonic fields
WEEE (Waste Electrical and Electronic Equipment)
ROHS according to 2011/65/EU and it's amendment (EU) RoHS 2015/863
NRTL certified according to IEC 60601-1 (TÜVPS)
CSA 22.2, 60601.1 by an SCC accredited Test Lab

^{*}Not for sale in the USA. Not approved or cleared by the U.S. FDA.

Please contact your GE Sales Representative for information about availability in your area.

^{††}Including national deviations

^{†††}Used frequencies are dependent on probe settings and parameters and are displayed on the ultrasound screen

^{††††}Not available in all countries

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