GE Healthcare

Venue Go Ultrasound System Datasheet

Product Description

Venue Go™ is a take-anywhere ultrasound system that provides the latest technologies to help deliver a simple, fast, and precise solution to the Point of Care ultrasound community. Its innovative design may also be useful for traditional users in a variety of clinical settings.

Venue Go combines a single-surface touch screen interface, which is great for quick clean-up, with cords-off-the-floor docking for transducer protection. It has been designed and tested to allow walk-up simplicity to minimize training. This versatile system allows the user to choose to scan with the Venue Go as a compact system, as a console, or attached to a boom, freeing up much-needed space in an otherwise overcrowded environment. The Venue Go system is built on GE Ultrasound's advanced cSound™ Imageformer providing ploppable image quality for users who want to scan and go. Automated tools help reduce the fatigue of repeated and difficult tasks and help simplify and accelerate clinical workflow. The tap, pinch, and slide gestures used in the Venue Go user interface have the familiar feel of contemporary consumer devices. Underneath it all, Venue Go displays an impressive set of features designed for the novice as well as the demanding user, both of whom need to be ready to scan at any moment.

General Specification

System Dimensions
Height: 348 mm (13.7 in.)
Width: 406 mm (16.0 in.)
Depth: 59 mm (2.3 in.), 127 mm (5.0 in.) with probe holder
Weight: 6.27 kg (13.9 lbs) without probes

System Dimensions with Optional Cart
Height: 1190-1580 mm (46.9 - 62.2 in.)
Width: 505 mm (19.9 in.)
Depth: 480 mm (18.9 in.)
Weight: 32 kg (70 lbs) without probes

Optional Cart Dimensions
Height: 1000-1390 mm (39.4 - 54.7 in.)
Width: 505 mm (19.9 in.)
Depth: 480 mm (18.9 in.)
Weight: 25 kg (55.6 lbs.) without scanner & accessories

Cart design
Quick release / mount of scanner to cart
Multipurpose handle - customizable
Probe-holder insert
Gel cup
Barcode scanner holder
Built-in AC adapter
Horizontal swivel of display on cart: 230° (115° to each side)
Backward tilt of display on cart: 40°
Forward tilt of display on cart: 10°
Up / down adustment range of display on cart: 390 mm (15.5 in.)
Vesa mount: 75x75 mm (2.98 x 2.98 in.)
Four 5" swivel-casters with brake & swivel lock on each caster
Cradle may be provided as an accessory
Anti-theft cable attachment area for optional cable

Electrical Power
Voltage: 100-240 V AC
Frequency: 50/60 Hz
Power: Max. 250 VA
Standard lithium ion battery with up to two hours scan time when fully charged
Recharge time: 2 hours
No. of charge cycles to age 70% capacity = 300
Battery power breaker switch for transportation

Design
Compact
Full touch user interface
3 active probe ports
Multipurpose handle, for probes, gel, handle or accessories.
cSound™ beamforming technology
CPU – Skylake-Intel® 6th Generation, i7 quad core
Operating System – Microsoft® Windows® 10
Single Integrated Solid State Drive (128 GB)
Archive size: > 60 GB
AC adapter
Adjustable rear support stand for use on flat surfaces

System Connectivity
USB 3.0 4 connectors
Ethernet LAN 10/100/1000 Base T
HDMI Output available for compatible devices
Wireless LAN capability, with WiFi strength indication symbol

User Interface

Touch Screen
Multi-touch user-interface with gesture recognition
Probe & application quick select
Home screen for easy workflow
Clinical applications oriented workflow
Mode specific controls
Alphanumeric touch-keyboard in selected language

Touch Screen (continued)
Measurements (full touch)
Measurement worksheet
Thumbnails and image viewer
Annotations and findings
Body marks
Utility settings
Patient information
User interface in 13 configurable languages

Touch gesture recognition
The following controls can be adjusted by intuitive gestures
Gain on all scanning modes
Depth of B, color and M-Mode
Focus position
Scale, baseline and sweep-speed of PW or CW modes
Sweep speed when in M-Mode or Anatomical M-Mode
Zoom in/out
Cine review
Color ROI position/dimension
PW cursor and SV gate length & location
M-Mode and anatomical M-Mode cursor adjustment
Center line on/off

Display
15.6 in. Multi-touch High-Resolution Color LCD, 16:9 ratio
Resolution: 1920 x 1080 pixels
Horizontal/Vertical viewing angle: +/-80°
Display Frame rate (Hz): 60Hz
Light sensor for Auto ambient light compensation
Integrated speaker
Audio Volume Adjustment
Battery and wall/AC power indicator displays even when system is turned off
Battery time remaining indicator
3 probe holders and multipurpose holder on display
Flexible display positions

Display (continued)
Screen cleaning mode capability
Sealed display
Diagnostic LCD
Capacitive sealed power button
LED Color bar for system identification and Low Battery warning

System Overview

Applications
Abdominal
Cardiac (Adult and Pediatric)
Thoracic/Pleural
Neonatal (head / abdomen / hip)
Adult and neonatal cephalic
Breast
Gynecology
Musculoskeletal
Obstetrical
Nerve
Interventional Procedure
Pediatric
Small Parts
Urological
Vascular
Vascular access
Transvaginal
Transrectal
Intraoperative
Ophthalmic (optional)
Cardiac TEE

Transducer Types
Convex Array: C1-5-RS
Microconvex Array: 8C-RS, E8C-RS
Phased Array: 3Sc-RS, 6S-RS
Linear Array: 9L-RS, 12L-RS, L4-12t-RS, L8-18i-RS
TEE Adult Probe: 6Tc-RS

Operating Modes

- B-Mode
- Coded Harmonic Imaging (CHI)
- M-Mode
- Anatomical M-Mode
- Color Flow Mode (CFM)
- M-Color Flow Mode
- Power Doppler Imaging (PDI)
- Continuous Wave Doppler (CWD)
- Pulse Wave Doppler (PWD) with high PRF
- Tissue Doppler Imaging (TDI)

Standard Features

- DICOM® 3.0 Connectivity
- Integrated Solid State Drive
- Automatic Optimization
- CrossXBeam™ Compounding
- Speckle Reduction Imaging (SRI-HD)
- Virtual Convex
- Virtual Apex
- Raw Data Processing
- Real-time automatic Doppler calculations
- On-board User Manual
- Electronic Documentation eIFU access through the internet
- Cine loop storage and playback
- InSite™ ExC capability
- Patient Information Entry
- Measurement & Annotation Package
- Editable calculations
- Cardiac Calcs
- OB Calcs and Tables
- Multi Gestational Calcs
- Fetal growth trending
- Musculoskeletal Calcs
- Gynecological Calcs
- Urological Calcs
- Full Screen mode

Standard Features (continued)

- Split Screen
- Needle Recognition
- Zoom
- Patient data encryption
- Patient data anonymization
- User-defined Presets
- Lung diagram
- Lung scoring

Software Options

- WiFi Activation
- Ophthalmic

Hardware Options

- USB thermal B&W printer
- USB ECG with 3 electrodes (AHA/IEC), including External ECG interface
- ECG module is type CF Defibrilator-Proof
- USB Memory Stick
- Internal WiFi (Optional) supports WLAN, WPA/WPA2 LEAP/PEAP, FIPS-2 WiFi, WPA- Enterprise and WPA2 Enterprise protocols
- WiFi bandwidth is 2.4GHz to 2.4835GHz and 5.15GHz to 5.85GHz, dependent on country.
- Bar code reader with multi-field mapping support
- Large, removable storage bin (Standard on cart)
- Storage bin dimensions: L: 37cm, W 15cm, H: 18cm, (14.7 x 6.0 x 7.1 in.)
- Mountable intracavitary probe holder
- Disposable sterile touch-screen cover
- Anti-theft cable

Advanced Applications

Venue Go was designed to host a variety of advanced clinical applications dedicated to specific point-of-care uses.

To do this, we use Machine Learning (ML) and Artificial Intelligence (AI) to develop algorithms that are then used in the system to enable the shift of cognitive burden from ultrasound acquisition to clinical reasoning at the point of care.

AI Enabled Auto Tools

Auto VTI: Calculates the velocity time integral (VTI), stroke volume, CO Flux and cardiac output in a single step. Like the other tools, it includes a quality indicator to assist with image acquisition.

ML: Finding the right location and tracing the spectral doppler signal and calculate and display the VTI while you scan.

AI: AI helps localize the acquisition.

Auto B-Lines: Highlights and counts B-lines in real-time. Hit freeze and Venue Go displays the frame with the highest B-line count.

ML: Automatically distinguishes between real B-lines and all other artifacts is hard to "program", but ML can enable it.

AI: Classification between artifacts vs B-lines.

Auto-IVC: Measures IVC collapsibility. IVC diameter changes (Collapsibility or distensibility index) are measured and displayed in real-time upon completion of each respiratory cycle.

ML: Auto IVC: One respiratory cycle Distensibility Index (DI) or Collapsibility Index (CI) can be displayed, and calculated.

AI: Identify the location and position IVC for measurements.

Lung Tool: See all ultrasound lung findings in one view. Keeps track of your segmental lung assessment. Like the other tools, it can be helpful in showing trends in response to therapy.

VTI Trending: Allows you to quickly visualize the trend and help you determine a next course of action in treatment.

eFAST diagram: Allows scanning, one-tap allocation and quick review of images and findings belonging to different zones of the eFAST and FAST exam.

Display Modes

Simultaneous Capability (duplex or triplex), probe dependent

- B/PW
- B/CW
- B/TDI
- B/CFM
- B/PDI
- B/M
- B/AMM
- Dual B + CFM
- Dual B + PDI
- Needle Recognition + CFM or PDI
- B/CFM/PW or B/CFM/CW

Selectable Alternating Modes, probe dependent

- B/M
- B/PW
- B/CW
- B/TDI
- B/AMM
- B/M/CFM
- B/M/PDI
- B/CFM/PW
- B/CFM/CW
- B/PW/PDI

Multi-image Split Screen

- Live and/or frozen
- Independent Cine playback
- ECG-synchronized Cine playback

Zoom

- Pan zoom (read zoom)
- Expand the image to full screen

Colorized Image

- Colorized B
- Colorized B+M
- Colorized PW
- Colorized CW

Timeline Display

Independent Dual B/PW/CW Display

Display formats: Top/bottom or side-by-side

Format Size: Vert1/3 B, Vert1/2 B, Vert2/3 B, Horiz 1/2B, TL Only

Format, switchable after freeze

Security

Encryption for internal data

Encryption for external media

DICOM® TLS

Whitelisting

LDAP interface for user credentials

Customized policies for user accounts

Security audit trail - for relevant security events

Display Annotation

Institution/Hospital Name

Date: 2 types selectable MM/DD/YY, DD/MM/YY

Time: 2 types selectable 24 hours, 12 hours

Operator Identification

Patient Name: Last, First

Patient ID

Imaging parameters

Gestational Age from LMP/EDD/GA

Patient Age

Power Output Readout:

- MI: Mechanical Index
- TIS: Thermal Index Soft Tissue
- TIC: Thermal Index Cranial (Bone)
- TIB: Thermal Index Bone

TEE probe: Angle of rotation and temperature

System Status (real-time, cine-played or frozen)

Probe Orientation Marker: Coincides with orientation marking on the image monitor

Measurement Results Window: presettable display location

Probe Type and symbol

Application Name

Annotation Library: up to 21 preset labels (depending on application)

Customizable annotations: more than 24 available for each application

Comments available in Live scan mode and Freeze mode

Body marks available for each application

Arrows available in Live scan mode and Freeze mode

Center-line marker on/off on convex and linear probes

Heart rate – real time from ECG Signal

Battery status and remaining live scanning time indicator

Anatomy specific presets

Image Preview

Gray/Color Bar

Measurement Summary Window

Imaging Parameters by Mode (current mode/see below)

Focal Zone Markers

Image Management Menu: Menu, Delete, and Image Manager

Image Palette

System Parameters

System Setup
User Programmable Preset Capability
Factory Default Preset Data
Factory Default Application Data
User Interface Languages: Brazilian Portuguese, Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Portuguese, Russian, Spanish and Swedish
User Manual Languages: Brazilian Portuguese, Bulgarian, Chinese, Croatian, Czech, 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 and Vietnamese
Operation Error Message Display
System boot from full shutdown: < 75 sec.
Sleep / Standby fast boot up: < 7 sec. on average
Probe Loading: < 3 sec.
Setup wizard for easy set up

Image Processing and Parameters
Digital beamformer based on cSound™ Architecture
Displayed Imaging Depth • Minimum Depth Range of Field: 0 - 1.0 cm (probe dependent) • Maximum Depth Range of Field: 0 - 36 cm (probe dependent)
Continuous Dynamic Receive Focus/Aperture
Multi-Frequency/Wideband Technology

Reporting
Qview is an application running on Venue Go that securely provides web access to Telexy Healthcare's Qpath product and enables exam reporting at the bedside. The exam images and report worksheet are displayed on the Venue Go monitor just as they would be if you logged into Qpath from a computer workstation. Qpath is not available in all countries, please verify with your GE representative. Qpath is an application under license from Telexy Healthcare.

Cine Memory
Able to save an image or cineloop during scanning
Configure retrospective or prospective cineloop storage
Configurable cineloop length (up to 180 sec. or 100 heart-cycles)

Image Archive and Connectivity
Image Browser: Previewing of previous archived images as well as current stored patient images
View images side-by-side from different exams
Image Management (USB memory-stick or removable hard-disk drive)
Delete selected exams or images
Review in Full Image Area
Direct print to approved printer
Live Scan "Store": Configure Store button to save an image during live scanning

Archiving Format
JPEG
MPEG4 /H.264
AVI, DICOM, Raw Data+DICOM, WMV
Capture Area
Image Area
Full Screen

DICOM
DICOM store
Worklist query
Multi-frame DICOM
Network store to a shared folder

Scanning Parameters

B-Mode
Brightness mode. Real time displays of a two dimensional cross section of a three-dimensional soft tissue structure. Ultrasound echoes of different intensities are mapped to different gray scale or color values in the display.
B/M Acoustic Output: 0–100%
Virtual convex: On/Off on Linear array probes
Image Reverse: On/Off
B Colorize maps: 4 types

B-Mode (continued)
Thermal Index: TIC, TIS, TIB
CrossXBeam Compounding
TGC plot and 8 graphical TGC sliders
"Auto" image optimize
Width (FOV)
Speckle Reduction SRI HD: 5 increments
Edge Enhance: 5 increments
Probe dependent focal zones
Line Density: up to 4 increments, application dependent
Frame Average: up to 8 increments, application dependent
Angle (degree): application dependent, 10°– 133°
Gray Scale Map: up to 11 types, application dependent
Gain and Depth Adjustment
CHI (Coded Harmonics Imaging)
Dynamic Range: 36–102 dB, application dependent
Depth range: 0 - 36 cm, application dependent
Rejection: 6 increments

Color Flow Mode (CFM) or Color Doppler
A real-time two-dimensional cross-section image of blood flow.
Color gradient used to represent directional blood flow (velocity, variance, power and/or direction) prioritized over amplitude.
Steer
Compression
Base Line: application dependent
Invert: On/Off
Focus Depth
Power - Acoustic Output: 0–100 %
Line Density: 3 increments
Frame Average: up to 11 increments, application dependent
PRF: 0.3K–22 KHz: probe dependent
Sample Volume
Gain: 0–40 dB
Wall Filter: probe dependent
Lateral and radial filters
Vertical Size (mm): default presettable
CF/PDI Center Depth (mm): default presettable

Color Flow Mode (CFM) or Color Doppler (continued)

Color Frequency

Focal Number: 1

Color Maps: up to 6 types

Tissue Priority: 13 steps

Power Doppler Imaging (PDI) Mode

Color gradient used to represent blood flow using amplitude vs. velocity shift (Color Doppler). Prioritizes amplitude over direction.

ROI Position

ROI Size

Focus Position

Steer

Compression: 15 increments

Line density: 3 increments

PDI Maps: 5 types

Acoustic Output: 0–100%

Packet Size: 8-24, probe dependent

Spatial Filter: 6 steps

Frame Average: 7 steps, probe dependent

PRF: 0.3K-11.4K Hz: depth dependent

Power Threshold: 10–100%

CF/PDI Vertical Size: default presettable

CF/PDI Center Depth: default presettable

CF/PDI Focal Number: 1

Gain: 0–40 dB

Wall Filter: 4 increments, probe dependent

CF/PDI Frequency: 2–4 increments, probe dependent

PDI Flash suppression: 7 increments

PDI Radial & Lateral averaging: 5 increments

PDI Tissue priority: 10 increments

M-Mode/Anatomical M-Mode

Motion mode. Soft tissue structure is presented as scrolling display, with depth on the Y-axis and time on the X-axis. Anatomical M-Mode (AMM) Allows M-Mode on stored 2D cine clip. Facilitates arrhythmia assessment and cardiac measurements.

Sweep Speed

M Color

MM Display Format: Vert1/3 B, Vert1/2 B, Vert2/3 B, Horiz 1/2B, TL Only

B/M Acoustic Output: 0–100%

Rejection: 6 increments

Dynamic Range: 36-96 dB

Edge Enhance

Gray Scale Maps

M Gain: +/- 20 dB delta from B

PW/CW Mode

Pulse Wave Doppler (PW), Continuous Wave Doppler (CW) are used for displaying the speed, direction, and spectral content of blood flow at selected anatomical sites.

PW velocity

- Max: 870 cm/s (19,800 Hz)
- Min: 3 cm/s (140 Hz)

CW velocity

- Max: 1,310 cm/s (40,000 Hz)
- Min: 5cm/s (260 Hz)

Gray Scale Maps

Compression: 12 steps

Base Line: 5–95%

SV Gate size: 1 - 16 mm, application dependent

Angle Correction: +/- 90°

Spectral Color: 6 types

PW Sweep Speed

PW/CW Display Format: Vert1/3 B, Vert1/2 B, Vert2/3 B, Horiz 1/2B, TL Only

PW Acoustic Output: 0–100%

Adjustable cursor steering and gate position

Selectable real-time duplex and triplex operation

Spectral Averaging

PW/CF Ratio: 1, 2, 4

PW/CW Mode (continued)
Rejection
Doppler Gain: 0–32 dB
Wall Filter: probe dependent
PW Angle Steer: 0 +/- 20°
Sample Volume Depth: 29 increments default presettable
Audio Volume
PW Frequency 2–4 steps: probe dependent

M-Color Flow Mode
Overlays color on the M-Mode trace

Coded Harmonic Imaging (Tissue Harmonics) (CHI)
Enhances near field resolution for improved small parts imaging as well as far field penetration. Diminishes low frequency amplitude noise and provides clarity to needle, anatomy and motion.

TVD (TDI)
Tissue Velocity Doppler provides tissue spectral information for selected Doppler sample.

Needle Recognition Mode
Provides accurate display of the needle, anatomy and motion even in Color and Power Doppler.
Includes ability to adjust needle gain and angle.
Available on all linear and some convex probes.

Automatic Optimization
Continuous Tissue Optimization
Auto Spectrum Optimization

CrossXBeam Compounding
Provides 3 angles of spatial compounding
Compatible with Color Mode

SRI-HD
Speckle Reduction Imaging provides multiple levels of speckle reduction
Compatible with/ B-Mode, Color

Virtual Convex
Provides a trapezoidal field of view on all linear array probes, for wider FOV in the far field

Virtual Apex
Provides wider FOV in the near field
Supported on some presets on Sector probes

Measurements and Calculations

B-Mode Calcs
Distance
Circumference (Ellipse/Trace)
Area (Ellipse/Trace)
% Stenosis
Angle between 2 lines
Ratios
Depth from Probe Surface

M-Mode Calcs
Distance
Time
Slope
Heart Rate

Doppler Calcs
Velocity
Frequency
Time
Acceleration
Heart Rate
Auto Doppler Trace function with automatic calcs
Time averaged max/mean velocity
Ratios
PI (Pulsatility Index)
RI (Resistivity Index)

Vascular Measurements and Calcs
Upper/Lower
Artery/Vein
Summary Worksheet

Obstetrics Measurements and Calcs
Gestational Age Calculation
Multi-Gestational Calculation, up to 3 fetuses
EFW Calculation
Summary Worksheet
Fetal Trend Graph
Abdominal Circumference (AC)
Amniotic Fluid Index (AFI)
Area
Diameter (APTD-TTD)
Bi-parietal Diameter (BPD)
Crown Rump Length (CRL)
Estimated Fetal Weight (EFW)
Femur Length (FL)
Gestational Sac (GS)
Head Circumference (HC)
Humerus Length (HL)
Occipito frontal Diameter (OFD)
Cardio-Thoracic Area Ratio (CTAR)
Fetal Trunk Cross-Sectional Area (FTA)
Spine Length (SL)
Comparison of multiple fetus data on a graph and a worksheet

Gynecology Measurements and Calcs
Ovarian Follicle Measurements
Summary Worksheet

Urology Measurements and Calcs
Volume Measurements
Summary Worksheet

Musculoskeletal Measurements and Calcs
Labeled measurements

Cardiac Measurements and Calcs
Ventricle, Atrium, Value Measurements
Summary Worksheet

Probes (all optional)

3Sc-RS Wide Band Phased Array
Applications: Abdominal, Adult Cardiac, Adult Cephalic, Gynecology, Obstetrics, Ophthalmic, Pediatric Cardiac, Pediatric/Neonatal, Peripheral Vascular, Thoracic/Pleural, Urology, Vascular Access
Imaging Frequency B-Mode
Fundamental: 2.5 - 4.5 MHz
Harmonics: 1.6/3.2 - 1.9/3.7 MHz
CFM Imaging Frequency: 1.9 - 3.6MHz

6S-RS Wide Band Phased Array
Applications: Abdominal, Adult Cardiac, Gynecology, Neonatal Cephalic, Pediatric Cardiac, Pediatric/Neonatal, Peripheral Vascular, Thoracic/Pleural, Urology, Vascular Access
Imaging Frequency B-Mode
Fundamental: 4.0-6.5 MHz
Harmonics: 2.7/5.4 - 3.2/6.4 MHz
CFM Imaging Frequency 2.6-5.9 MHz

8C-RS Wide Band Microconvex
Applications: Abdomen, Adult Cardiac, Gynecology, Neonatal Cephalic, Nerve Block, Pediatric Cardiac, Pediatric/Neonatal, Peripheral Vascular, Thoracic/Pleural, Urology
Imaging Frequency B-Mode
Fundamental: 6.0 - 10.0 MHz
Harmonics: 3.5/7.0 - 5.0/10.0 MHz
CFM Imaging Frequency: 4.3 - 5.6 MHz

C1-5-RS Wide Band Convex
Applications: Abdominal, Adult Cardiac, Fetal/Obstetrics Gynecology, Musculoskeletal Conventional, Musculoskeletal Superficial, Nerve Block, Pediatric/Neonatal, Pediatric Cardiac, Peripheral Vascular, Thoracic/Pleural, Urology, Vascular Access
Imaging Frequency B-Mode
Fundamental: 3.0 - 5.0 MHz
Harmonics: 1.5/3.0 - 2.5/5.0 MHz
CFM Imaging Frequency: 1.8 - 3.6 MHz

E8C-RS Wide Band Microconvex Intracavitary

Applications: Gynecology, Obstetrics, Transrectal, Transvaginal, Urology

Imaging Frequency B-Mode

Fundamental: 6.0 - 10.0 MHz

Harmonics: 3.5/7.0 - 5.0/10.0 MHz

CFM Imaging Frequency: 4.3 - 5.6 MHz

L4-12t-RS Wide Band Linear with Buttons

Applications: Abdominal, Adult Cardiac, Gynecology, Musculoskeletal Conventional, Musculoskeletal Superficial, Nerve Block, Ophthalmic, Pediatric/Neonatal, Pediatric Cardiac, Peripheral Vascular, Small Parts, Thoracic/Pleural, Urology, Vascular Access

FOV (max): 38.4mm

Imaging Frequency B-Mode

Fundamental: 7.0 - 12.0 MHz

Harmonics: 3.5/7.0 MHz - 5.5/11.0 MHz

CFM Imaging Frequency: 4.5 - 8.3 MHz

4 Configurable Buttons to Support Various Operations

Biopsy Available: Civco Infiniti Plus™ style bracket. (P/N: H48392LT / 742-429).

Civco AccuSITE™ Out-of-Plane Ultrasound Needle Guide (P/N): H48392LL / 742-359-10)

12L-RS Wide Band Linear Array

Applications: Abdominal, Adult Cardiac, Gynecology, Musculoskeletal Conventional, Musculoskeletal Superficial, Neonatal Cephalic, Nerve Block, Ophthalmic, Pediatric/Neonatal, Pediatric Cardiac, Peripheral Vascular, Small Parts, Thoracic/Pleural, Urology, Vascular Access

FOV (max): 38.4 mm

Imaging Frequency B-Mode

Fundamental: 7.0 - 12.0 MHz

Harmonics: 3.5/7.0 MHz - 5.5/11.0 MHz

CFM Imaging Frequency: 4.5 - 8.3 MHz

Biopsy Available: Civco Infiniti Plus™ style bracket (P/N: H48392LT / 742-429).

Civco AccuSITE™ Out-of-Plane Ultrasound Needle Guide (P/N): H48392LL / 742-359-10)

L8-18i-RS Wide Band Linear hockey-stick shape

Applications: Abdominal, Gynecology, Intraoperative, Musculoskeletal Conventional, Musculoskeletal Superficial, Neonatal Cephalic, Nerve Block, Pediatric/Neonatal, Peripheral Vascular, Small Parts, Thoracic/Pleural, Urology, Vascular Access

FOV (max): 25.2 mm

Imaging Frequency B-Mode

Fundamental: 9.0 - 16.0 MHz

Harmonics: 5.0/10.0 - 9.0/18.0 MHz

CFM Imaging Frequency: 5.6-12.5 MHz

9L-RS Wide Band Linear Array

Applications: Abdominal, Adult Cardiac, Fetal/Obstetrics, Gynecology, Musculoskeletal Conventional, Musculoskeletal Superficial, Neonatal Cephalic, Nerve Block, Ophthalmic, Pediatric/Neonatal, Pediatric Cardiac, Peripheral Vascular, Small Parts, Thoracic/Pleural, Urology, Vascular Access

FOV (max): 44.16 mm

Imaging Frequency B-Mode

Fundamental: 3.0 - 8.0 MHz

Harmonics: 2.8/5.6 MHz - 4.5/9.0 MHz

CFM Imaging Frequency: 3.1 - 6.3 MHz

Biopsy Available: Civco Infiniti Plus™ style bracket (P/N: H45281BL / 742-416)

6Tc-RS Wide Band Phased Array Transesophageal (TEE)

Applications: Cardiac-TEE

Fundamental: 3-8 MHz

Harmonics: 3.0/6.0 MHz

CFM Imaging Frequency: 3.1-6.3 MHz

Note About Sales in your Country

Not all features, products, probes, or peripherals described in this data-sheet may be available or cleared for sale in all markets. Please contact your local GE Ultrasound representative to get the latest information.

Safety Conformance

Approved for ANSI/AAMI ES60601-1 by Nationally Recognized Testing Laboratories

Approved for CAN/CSA-C 22.2 No.60601.1 by Nationally Recognized Testing Laboratories

CE Marked to Council Directive 93/42/EEC on Medical Devices

Compliant with DIRECTIVE 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE) requirement.

- IEC[1] 60601-1 Safety requirements for medical electrical systems
- EC[1] 60601-1-2 General requirements for safety – Electromagnetic compatibility
- IEC[1] 60601-1-6 Medical Electrical Equipment— General requirements for basic safety and essential performance—Usability
- IEC[1] 60601-2-37: Particular requirements for the safety of ultrasonic medical diagnostic and monitoring equipment
- ISO 10993-1: Biological evaluation of medical devices (applicable to the probes)
- NEMA UD3 Acoustic output display (MI, TIS, TIB, TIC)

[1]**Including national deviations**

About GE Healthcare

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter - great people and technologies taking on tough challenges. From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.

GE Healthcare
9900 Innovation Drive
Wauwatosa, WI 53226
U.S.A.

www.gehealthcare.com

Imagination at work

Product may not be available in all countries and regions. Full product technical specification is available upon request. Contact a GE Healthcare Representative for more information. Please visit www.gehealthcare.com/promotional-locations.

DOC2090867
June 2019