



Venue Fit Ultrasound System Datasheet

Overview

Venue Fit™ is an ultrasound system that provides the latest advanced 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 Fit 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 scan with the Venue Fit as a compact system, as a console, or attached to a boom, freeing up much-needed space in an otherwise overcrowded environment.

The Venue Fit system is built on GE Healthcare'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 Fit user interface have the familiar feel of contemporary consumer devices.

Underneath it all, Venue Fit 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: 319 mm (12.6 in.) including carrying handle

Width: 399 mm (15.7 in.)

Depth: 70 mm (2.7 in.), 93 mm (3.7 in.) with carrying handle

Weight: 5.5 kg (12 lbs) including battery and rear-support stand

System Dimensions with Optional Cart

Height: 1212-1570 mm (47.7 - 61.8 in.)

Width: 474 mm (18.7 in.)

Depth: 474 mm (18.7 in.)

Weight: 28kg (61.6 lbs) without probes

Optional Cart Dimensions

Height: 1063-1413 mm (41.9 - 55.6 in.)

Width: 474 mm (18.7 in.)

Depth: 474 mm (18.7 in.)

Weight: 21.3 kg (47.2 lbs)

System Design

Compact

Full touch user interface

2 active probe ports

Probe holder for 2 probes, gel and carry handle

cSound™ beamforming technology

Operating System – Microsoft® Windows® 10

Single Integrated Solid State Drive (128 GB)

Archive size: > 60 GB as standard

AC adapter

Adjustable rear support stand for use on flat surfaces (optional)

Cart Design

VESA mounting of scanner to cart

Multipurpose handle - customizable

Probe-holder accessory with rubber insert

Gel cup accessory (optional)

Barcode scanner holder

Compartment to hold AC adapter

Backward tilt of display on cart: 40°

Forward tilt of display on cart: 10°

Up / down adjustment range of display on cart: 350 mm (13.8 in.)

Cart Design (continued)

ECG module (optional) mounting box

System sliding mount

Four 5" swivel-casters with brake & swivel lock on each caster

Anti-theft slot

Electrical Power

Voltage: 100-240 V AC

Frequency: 50/60 Hz

Power: Max. 150 VA

Standard lithium ion battery with more than one hour of scan time when fully charged

Recharge time less than 2 hours while in Freeze mode

No. of charge cycles to age 70% capacity = 300

Battery power breaker switch for transportation

General System Parameters

System Connectivity

USB 3.0 connectors: 3 on the rear panel, 1 on side panel

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

Measurements (full touch)

Measurement worksheet

Thumbnails and image viewer

Annotations and findings

Body marks

Utility settings

Patient information

User interface in 14 configurable languages

Simple Screen Mode

A single tap enables Simple Mode, enlarging the image area and reducing the number of visible controls

Additional controls may be brought in or out with a tap or swipe gesture

User customization of mode controls while in Simple Screen Mode

Display

14 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

Integrated speaker

Audio Volume Adjustment

Battery and wall/AC power indicator displays even when system is turned off

Battery time remaining indicator

Screen cleaning mode capability

Sealed display

Diagnostic quality LCD

Capacitive sealed power button

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

Urology

Vascular

Vascular access

Transvaginal

Transrectal

Applications (continued)

Dermatology

Rheumatology

Intraoperative (vascular)

Ophthalmic (optional)

Cardiac TEE

Transducer Types

Convex Array: C1-5-RS

Microconvex Array: 8C-RS, E8C-RS

Phased Array: 3Sc-RS, 6S-RS, 12S-RS

Linear Array: 9L-RS, 12L-RS, L4-12t-RS, L8-18i-RS, L10-22-RS, L4-20t-RS (XDclear)

Linear Array with Active Matrix Array: ML6-15-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)

Main Features

DICOM® 3.0 Connectivity

Automatic Optimization

CrossXBeam™ Compounding

High Definition Speckle Reduction Imaging (SRI-HD)

Virtual Convex

Virtual Apex

VenueView Panoramic View

Lung Sweep Mode (optional) - Panoramic Cine Field of View

Lung Application

Raw Data Processing

Real-time automatic Doppler calculations

Patient Follow-up Tool

On-board User Manual

Electronic Documentation eIFU access through the internet

Cine loop storage and playback

Main Features (continued)

RSVP capability for remote service

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

Simple Screen mode

Split Screen

Needle Recognition

Zoom

Patient data encryption

Patient data anonymization

User-defined Presets

eFAST Diagram

Renal Diagram

Lung diagram

Lung scoring (optional)

Probe Assessment Tool (PAT), performs routine testing of probes in use, to identify failed elements

Advanced Applications

Venue Fit 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

Real-time EF (optional): semi-automated Real-Time measurement of the Apical 4 Chamber Ejection Fraction for adult cardiac assessment.

ML: For the location of the contour

AI: Classification of the view

Auto VTI (optional): 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, calculating and displaying the VTI while you scan.

AI: AI helps localize the acquisition.

Advanced Applications (continued)

Auto B-Lines (optional): Highlights and counts B-lines in real-time. Tap freeze and the system displays the frame with the highest B-line count.

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

ML: 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 (optional): Allows you to quickly visualize the trend and help you determine a next course of action in treatment.

Navigation Diagrams

Lung Diagram: Allows scanning, one-tap allocation and quick review of images and findings belonging to different zones of the lungs during a lung exam.

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

Renal diagram: Allows scanning, one-tap allocation and quick review of images and findings belonging to different zones of the Renal 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/CFM/PW
- B/CFM/CW
- B/PW/PDI

Display Modes (continued)

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

Hardware Options

USB thermal B&W wireless printer

AC Adapter

Battery

USB ECG with 3 electrodes (AHA/IEC), including External ECG interface

ECG module is type CF Defibrillator-Proof

ECG cable with 3 electrode cables (AHA/IEC), using clips to connect adult-sized electrode stickers

ECG cable with DIN adaptor to support disposable pediatrics and neonatal ECG leads with DIN connectors

USB Memory Stick

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)

Large Storage bin dimensions: 304 x 244 x 125 mm (12 x 9.6 x 4.9 in.)

Small storage bin (standard on cart)

Small Storage bin dimensions: 191 x 99 x 55 mm (7.5 x 3.9 x 2.2 in.)

Hardware Options (continued)

Mountable intracavitary probe holder

Disposable sterile touch-screen cover

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

Annotations home position setting, may be customized by user

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

Biopsy guide line and zone

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

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, Japanese, 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, 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: < 45 sec.

Sleep / Standby fast boot up: < 7 sec. on average

Probe Loading: < 3 sec.

Setup wizard for easy set up

Simple Mode layout with user customization

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 Fit 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 Fit 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/retrieve

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

Image Reverse: On/Off

Image up/down invert: On/Off

B Colorize maps: 4 types

Thermal Index: TIC, TIS, TIB

CrossXBeam Compounding

TGC plot and 8 graphical TGC sliders

Automatic image optimization

B-Flow (continued)

Width (FOV)

High Definition Speckle Reduction SRI HD: 5 increments

Edge Enhance: 5 increments

Focus Depth

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

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 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: 0.3-11.4 KHz: 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

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.

VenueView

Extended field of view imaging. Available in B-Mode.

Up to 60 cm scan length

Available on all linear array probes

Auto detection of scan direction

Post-process and rotation

Auto best fit on monitor

Measurements in B-Mode

Patient Follow-up Tool

For monitoring a patient condition over time. Automatically recalls the imaging parameters, comments and body patterns to be identical to your previous exam.

Allows side-by-side comparison of previous ultrasound exams during live scanning.

Works in B-Mode, Color Mode and PDI.

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)

Volume

% Stenosis

Angle between 2 lines

Ratios

Depth from Probe Surface

M-Mode Calcs

Distance

Time

Slope

Ratios

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)

Biparietal 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, Valve 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

Probe Frequency Range: 1.1 – 4.7 MHz

Field of View: 120°

6S-RS Wide Band Phased Array

Applications: Abdominal, Adult Cardiac, Gynecology, Neonatal Cephalic, Pediatric Cardiac, Pediatric/Neonatal, Peripheral Vascular, Thoracic/Pleural, Urology

Probe Frequency Range: 1.8 – 8.6 MHz

Field of View: 115°

12S-RS Wide Band Phased Array

Applications: Neonatal Cephalic, Pediatric Cardiac, Pediatric/Neonatal

Probe Frequency Range: 2.7 – 12.5 MHz

Field of View: 105°

8C-RS Wide Band Microconvex

Applications: Abdomen, Adult Cardiac, Adult Cephalic, Gynecology, Musculoskeletal Conventional, Musculoskeletal Superficial, Neonatal Cephalic, Nerve Block, Pediatric Cardiac, Pediatric/Neonatal, Peripheral Vascular, Thoracic/Pleural, Urology

Probe Frequency Range: 3.1 – 12.9 MHz

Field of View: 132°

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

Probe Frequency Range: 1.4 – 5.7 MHz

Biopsy Guide: Multi-angle, disposable with a reusable bracket

CIVCO's Ultra-Pro II™ In-Plane Needle Guidance System. (Civco p/n H40432LE / 742-357)

Field of View: 59°

E8C-RS Wide Band Microconvex Intracavitary

Applications: Abdominal, Gynecology, Obstetrics, Transrectal, Transvaginal, Urology

Probe Frequency Range: 2.2 – 12.5 MHz

Field of View: 168°

L4-12t-RS Wide Band Linear with Buttons

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

Probe Frequency Range: 3.4 – 12.6 MHz

4 Configurable Buttons to Support Various Operations

Biopsy Guide: Multi-angle, disposable with a reusable bracket

CIVCO's Ultra-Pro II™ In-Plane Needle Guidance System. (Civco p/n H40432LC)

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)

Field of View (max): 38.4mm

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

Probe Frequency Range: 3.4 – 12.6 MHz

Biopsy Guide: Multi-angle, disposable with a reusable bracket

CIVCO's Ultra-Pro II™ In-Plane Needle Guidance System. (Civco p/n H40432LC)

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)

Field of View (max): 38.4 mm

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

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

Probe Frequency Range: 2.5 – 16.8 MHz

Field of View (max): 25.2 mm

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

Probe Frequency Range: 2.4 – 10.5 MHz

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

Field of View (max): 44.16 mm

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

Applications: Cardiac-TEE

Probe Frequency Range: 1.8 – 8.8 MHz

Field of View: 90°

ML6-15-RS Matrix 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

Probe Frequency Range: 4.0 – 18.9 MHz

Field of View (max): 50.4 mm

L10-22-RS Wide Band Linear Array

Applications: Pediatric/Neonatal, Peripheral Vascular, Musculoskeletal Conventional, Musculoskeletal Superficial, Nerve Block, Vascular Access

Probe Frequency Range: 7.0 – 22.2 MHz

Field of View (max): 12.8 mm

L4-20t-RS XDclear™ 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

Probe Frequency Range: 3.0 – 20.0 MHz

4 Configurable Buttons to Support Various Operations

Biopsy Available: Civco Verza™ style bracket
(P/N): H45201BLF / Civco P/N 642-507

Field of View (max): 38.4 mm

Note About Sales in your Country

Not all features, products, probes, or peripherals described in this datasheet may be available or cleared for sale in all markets. Please contact your local GE Healthcare 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.

- IEC1 60601-1 Safety requirements for medical electrical systems
- IEC1 60601-1-2 General requirements for safety - Electromagnetic compatibility
- IEC1 60601-1-6 Medical Electrical Equipment— General requirements for basic safety and essential performance—Usability
- IEC1 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)

¹Including national deviations



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