

SONOSITE MT Specifications

System Specifications

- 1 Stand Dimensions (width x length): 22.7 inches x 22.7 inches (57.6 cm x 57.7 cm)
- 2 Height Maximum (system and stand): 58.2 inches (147.8 cm) monitor up
- 3 Height Minimum (system and stand): 42.4 inches (107.8 cm) monitor down
- 4 Height Adjustment: 6.4" (16.3 cm) travel
- 5 Weight (System and battery only): 13.8 lbs. / 5.9 kg
- 6 Weight (System, system battery, and Stand): 56.0 lbs. / 25.4 kg
- 7 Casters: 4 inch Swivel, 4 Locking
- 8 User Interface: Projected Capacitive (PCAP) Touch Screen 10 inches x 5.7 inches (25.6 cm x 14.5 cm)
- 9 User Interface: All Touch Screen
- 10 Monitor Angle: 0 to 140 degrees
- 11 Work Surface Angle: 20 degrees from horizontal when on Stand
- 12 Clinical Monitor: 13.5 inches with a 3:2 aspect ratio
- 13 Clinical Monitor Image Size: 7.7 inches x 5.7 inches (19.5 cm x 14.6 cm)
- 14 Clinical Monitor Display Size: 11.2 inches x 7.5 inches (28.5 cm x 19.0 cm)
- 15 Clinical Monitor Resolution (minimum):
 - Display Size: 1920 x 1280 pixels
 - Image Size: 1312 x 984 pixels
- 16 Clinical Monitor Luminance (minimum): 400 cd/m²
- 17 Operating System: Windows 10 IoT Enterprise 2019 LTSC
- 18 Architecture: Digital Broadband
- 19 System Boot up:
 - <60 second cold start
 - <20 second Performance Mode
- 20 Total Hard Drive (HDD/SSD) Capacity: 640 GB
- 21 Gray Scale: 256 shades
- 22 Dynamic Range: Up to 183 dB
- 23 Transducer connection: 3x system/stand with Triple Transducer Connector, 1x system only
- 24 HIPAA Compliance:
 - Meets Federal Information Processing Standards (FIPS) for Moderate security control selections per FIPS199, FIPS200, and NIST 800-53.
- 25 The system shall withstand a drop from a height of 1 meter. The system shall be safe and function normally after this drop.

Warranty & Service

- 1 Five-year standard warranty on system and Sonosite manufactured transducers
- 2 One-year standard warranty on all accessories, including the stand and stand battery
- 3 Provision of a service loaner system within 24hrs where available (24-hour shipping not available in all geographical locations)

See warranty schedule for full details

Imaging Modes

- 1 2D/B-mode:
 - Broadband Imaging
 - Tissue Harmonic Imaging
 - Pulse Inversion Harmonic Imaging
- 2 M-mode
- 3 Color Velocity Doppler (CVD)
- 4 Color Power Doppler (CPD)
- 5 Color Variance (Cardiac Exam Types)
- 6 Pulsed Wave Doppler (PW)
- 7 Tissue Doppler Imaging (TDI) (Cardiac Exam Types)
- 8 Continuous Wave Doppler (CW) (Cardiac Exam Types)
- 9 Triplex (Venous, Arterial, PIV and Cardiac Exam Types)

B-Mode Imaging

- 1 B- mode Controls:
 - Depth
 - Gain
 - Time Gain Compensation (TGC)
 - Auto Gain
 - SonoMB
 - 2D Mode THI
 - 2D Image Optimization (Res, Gen, Pen). Lung exam type optimization settings are Lung, Cons/Eff
 - Dynamic Range (Live and Frozen)
 - Image Orientation (U/R, U/L, D/L, D/R)
 - Sector width control (Steerable, Cardiac Only)
 - Thermal Index (TIS/TIB/TIC)
 - LVO
 - Output Power Control
 - Trapezoid (Curvilinear and Linear Transducers)
 - Cine review available

- 2 Screen depth:
 - 1 – 35 cm
- 3 Support imaging frame rates up to 100Hz.
- 4 B-mode Imaging Features:
 - Sonosite proprietary speckle reduction algorithm.
 - SonoADAPT Imaging Technology: Adjusts imaging parameters based on depth eliminating complicated manipulation of multiple controls
 - SonoMB: Multi-beam technology to effectively reduce speckle artifact, enhance tissue contrast, and improve border detection.
- 5 8x live Read Zoom capability
- 6 Write Zoom on C5-1, IC10-3, and P5-1 transducers (Abdomen, OB, Early OB, Gynecology, and Cardiac exam types only)
- 7 4x Frozen post processing Zoom
- 8 Dual Imaging (Live and Frozen)
- 9 Centerline graphic on display for linear and curvilinear transducers
- 10 On screen needle guide support for IC10-3 and L19-5
- 11 Auto Gain adjust and reset
- 12 Procedure Mode
- 13 ECG Settings
- 14 RFID Shield
- 15 Print (Live and Frozen)
- 16 Video Clip Settings

Auto Steep Needle Profiling

- 1 Available on these transducers and exams:
 - L19-5: MSK, Nerve, Superficial, Venous, PIV
 - L12-3: Arterial, Carotid, MSK, Nerve, Superficial, Venous, PIV
 - L15-4: Breast, MSK, Nerve, Superficial
 - C5-1: MSK, Nerve

M-Mode Imaging

- 1 M-Mode Controls:
 - Depth
 - Gain
 - Time Gain Compensation (TGC)
 - Auto Gain
 - Auto Gain Adjust
 - Reset Gain
 - Zoom
 - Output Power Control

- RFID Shield
- THI
- Image Optimization (Res, Gen, Pen). Lung exam type optimization settings are Lung, Cons/Eff
- Dynamic Range (Live and Frozen)
- M-Mode Display Format- 1/3 and 2/3, 1/2 and 1/2, 2/3 and 1/3, side by side
- M-Mode Sweep Speed
- Anatomical M-Mode
- Print (Live and Frozen)
- Cine review available

Color Imaging

- 1 Color modes:
 - Color Velocity Doppler
 - Color Power Doppler
 - Color Variance (Cardiac Only)
- 2 Color controls:
 - Color Gain
 - Color Scale
 - Color Invert
 - Color Flow Optimization (High, Mid, Low)
 - Color Wall Filter
 - Color Steer Angle (Linear only)
 - Adjust Color box size and position
 - Color Compare
 - Hide/Show Color
- 3 Dual
- 4 Output Power Control
- 5 Print (Live and Frozen)
- 6 Max PRF used is 16667Hz.
- 7 Cine review available
- 8 Zoom (Live or Frozen)

Spectral Doppler Imaging

- 1 Doppler Modes:
 - Pulsed wave (PW)
 - Tissue Doppler Imaging (TDI) (Cardiac Exam Types)
 - Continuous Wave (CW) (Cardiac Exam Types)
 - High Pulse Repetition Frequency (HPRF) (Cardiac Exam Types)
 - Triplex (Venous, Arterial, PIV and Cardiac Exam Types)
- 2 Doppler Controls:
 - Doppler Gain

- Doppler Gate Size (PW/TDI)
 - Doppler Invert (Live or Frozen)
 - Doppler Auto Trace Type (Peak/Mean/Above/Below/All) (Live or Frozen)
 - Doppler Display Format - 1/3 and 2/3, 1/2 and 1/2, 2/3 and 1/3, side by side and full screen duplex (Live or Frozen)
 - Doppler Scale
 - Doppler Steer Angle (Linear Transducers only)
 - Doppler Sweep Speed
 - Doppler Baseline (Live or Frozen)
 - Doppler Angle Correct (Live or Frozen)
 - Doppler Wall Filter
 - Simultaneous (Linear Transducers. P5-1 Cardiac only)
 - Doppler Volume
- 3 Output Power Control
 - 4 256 gray levels in the spectral Doppler display
 - 5 Cine review available
 - 6 Print (Live and Frozen)
 - 7 ECG Settings

User Interface and Programmable Controls

- 1 Projected Capacitive (PCAP) Touch Screen User Interface
- 2 Touch Screen User Interface Controls: TGC (Time Gain Compensation), Gain Slider, Auto Gain, Depth, Annotations, Caliper, Calculations, Image Save, Clip Save, Freeze, Color, M-Mode, Doppler, and 2D.
- 3 Clinical Display Information (Touch Screen controls captured above)
- 4 Configurable Start Screen: Start, Scanning, Transducer/Exam Selection, Patient Information
- 5 User Defined Exam Types: Imaging mode settings and on-screen exam specific optimization locations
- 6 Virtual QWERTY Keyboard
- 7 Battery capacity and charge indicator, presented by 4 LED lights on front of system

On-board Education

- 1 Basics videos: Imaging Terms and Transducers
- 2 Scan-along Educational Tutorials: Over 100 in English, French, German, Spanish, Japanese, Italian, Russian, Portuguese, and Mandarin
- 3 Tutorial Categories: Acute Care, Anesthesia, Pain Management, Obstetrics and Gynecology, Procedures, COVID, and Musculoskeletal

Scan-along Educational Tutorials

- 1 **Anesthesiology & Pain Management:**
 - Abdomen: II/IH Block, Rectus Sheath, TAP, Quadratus Lumborum, Gastric Content
 - Thorax: Paravertebral, Airway, Erector Spinae, PECS I & II
 - Lower Extremity: Adductor Canal, Fascia Iliaca, Femoral, Popliteal Sciatic, Saphenous,

Subgluteal Sciatic

- Upper Extremity: Axillary, Infraclavicular, Interscalene, Median & Ulnar, Supraclavicular
- Pain Management: Caudal, Stellate Ganglion, Suprascapular Nerve Block, II/IH Block

2 Obstetrics & Gynecology:

- Gynecology: Ovarian Cyst-TA, Pelvis-TA
- Obstetrics: 1st Trimester OB- TA, 1st Trimester OB- TV, AFI/Amniocentesis, Ectopic-TA, Ectopic-TV, Fetal Biometry, Fetal Viability

3 Procedures:

- Vascular Access: Femoral Artery Access, Femoral Vein, IJV Long, IJV Transverse, PICC, Peripheral IV Insertion, Radial Artery Access, Subclavian/Axillary
- Other Procedures: Abscess Drainage, AFI/Amniocentesis, Foreign Body, Lumbar Puncture, Paracentesis, Pericardiocentesis, Thoracentesis

4 Acute Care:

- EFAST: Lung linear array, Lung Phased Array, Left Upper Quadrant, Pelvis, Right Upper Quadrant, Subxiphoid
- EFAST Pathology: Left Upper Quadrant Free Fluid, Pelvis Free Fluid, Right Upper Quadrant Free Fluid, Subxiphoid Free Fluid
- Cardiac: Apical, PSAX Heart, PLAX Heart, Subxiphoid
- Cardiac Pathology: Infective Endocarditis, Tamponade
- Lung/Thorax + Pathology: Airway, Lung, 12 Point Lung Exam, Pleural Effusion, Pneumonia, Pneumothorax, Pulmonary Edema
- Abdomen: Aorta, Gallbladder Evaluation, Inferior Vena Cava, IVC Volume Status, Left Kidney, Right Kidney
- Abdomen Pathology: AAA, Appendicitis, Cholecystitis, Cholelithiasis, Hydronephrosis, Pyloric Stenosis, Renal Calculus
- Pelvis: Bladder Volume, Pelvis-Transvaginal, Ovarian Cyst-TA, Testicular Torsion
- Extremity: DVT, Long Bone Fracture, Tibia
- Head/Neck + Pathology: Airway, Ocular, ICP, Retinal Detachment, Thyroid Evaluation

5 COVID:

- EFAST: Lung, Lung Phased, Left Upper Quadrant, Pelvis, Right Upper Quadrant, Subxiphoid
- EFAST Pathology: Left Upper Quadrant Free Fluid, Pelvis Free Fluid, Right Upper Quadrant Free Fluid, Subxiphoid Free Fluid
- Cardiac: Apical, PSAX Heart, PLAX Heart, Subxiphoid
- Cardiac Pathology: Infective Endocarditis, Tamponade
- Lung/Thorax + Pathology: Airway, Lung, 12 Point Lung Exam, Pleural Effusion, Pneumothorax, Pneumonia, Pulmonary Edema
- Abdomen: Aorta, Gallbladder, Inferior Vena Cava, IVC Volume Status, Left Kidney, Right Kidney
 - Extremity: DVT
- Procedures: Pericardiocentesis, IJV Transverse, Subclavian Axillary

6 Musculoskeletal:

- Shoulder/Rotator Cuff: Infraspinatus, Rotator Cuff, Rotator Cuff Tear, Tendinosis, Subscapularis Tendon, Supraspinatus Tendon
- Shoulder - Other: AC Joint, AC Impingement, Biceps Tendon, Glenohumeral Joint, Posterior Groove
- Shoulder Injections: AC Joint, Lateral Shoulder, Median Shoulder

- Elbow: Anterior Recess, Cubital Tunnel, Distal Biceps Tendon, Elbow Olecranon, Elbow Ulnar Nerve, Lateral Aspect, Median Aspect
- Elbow Pathology: Distal Biceps Tendon Tear, Lateral Epicondylitis, Ulnar Nerve Comp
- Wrist/Hand + Pathology: Guyon's Canal, Wrist Ulnar Nerve, Volar, Carpal Tunnel, DeQuervain's, Median Nerve Entrapment, Trigger Finger
- Hip, Pelvis Injections: Proximal Hamstring, Pubic Symphysis, Sacroiliac Joint
- Knee: Iliotibial Band, Infrapatellar Tendon, LCL, MCL, Meniscus, Quadriceps Tendon, Tibia
- Lower Extremity Injections: Achilles Tendon, Baker's Cyst, Lateral Knee, MCL, Medial Knee, Patellar Tendinosis
- Ankle/Foot + Pathology: Ankle Ext Tendons, Ankle Flexor Tendons, MTP Joint, Tarsal Joint, Achilles Tendon Tear, Plantar Fasciitis

Basic Videos

| Transducers | Image Terms |
|--|---|
| <ul style="list-style-type: none"> • Transducer Types • Orientation Marker | <ul style="list-style-type: none"> • Terminology |

On-board Image and Clip Storage Review

- 1 2D Cine Review – minimum 10 seconds (or until number of frames fill up the 384 MB cine memory)
- 2 PW, CW, M Mode Cine Review – minimum 2 cine frames (slow sweep 23 seconds, fast sweep 6 seconds)
- 3 Internal Storage: 192 GB
- 4 700 maximum number of studies (average of 30 clips/images per study)
- 5 500 maximum number of clips/images per study
- 6 Thumbnail review of saved images and clips
- 7 Prospective and Retrospective Clip Store
- 8 Video clip playback at 1, ½ or ¼ of the captured rate
- 9 Video Clip Save Lengths: 2, 3, 4, 6, 10, 15, 30 and 60 seconds. (Retrospective/Prospective)
- 10 Image/Clip export format: JPEG, BMP and MP4
- 11 Report export Format: PDF
- 12 DICOM export to USB: RGB, JPEG and MONO. Exported as MJPEG
- 13 JPEG compression options: High, Medium and Low

Worksheets

- 1 Acute Care Worksheets: Aorta, Appendix, Bladder, Cardiac, Deep Vein Thrombosis (DVT), EFAST, FAST, Gallbladder, Generic, Gynecology, Musculoskeletal, Obstetrics 2nd /3rd trimester, Obstetrics 2nd /3rd trimester Multiple, Obstetrics, Ocular, Renal, Soft Tissue, and Thoracic.
- 2 Procedures: Abscess Drainage, Arterial Line, Arthrocentesis, Central Venous Line, Paracentesis, Pericardiocentesis, Peripheral Venous Line, Peritonsillar Abscess Drainage
- 3 Customizable worksheets: Available with Synapse Synchronicity workflow manager integration

Labeling

- 1 Predefined labels and pictograms
- 2 On-screen keyboard label entry
- 3 Arrows (Up to 5)
- 4 Labeling of saved images

Labeling Packages

- 1 MSK, Foot, Ankle, Knee, Hip, Shoulder, Elbow, Wrist, Hand, Spine, Nerve
- 2 Breast, Superficial, Ophthalmic
- 3 Transcranial, Carotid, Arterial, Venous
- 4 Abdomen, Lung, Focused Cardiac, Cardiac
- 5 Gynecology, Early OB, Focused OB, OB

Basic Measurements

- 1 2D Measurements: Distance, Curved Distance, Area, Circumference, Ellipse, Manual Trace, Volume, Target Depth, Angle, Volume Flow
- 2 Doppler Measurements: Velocity, 2-point velocity, Slope, Time, Manual Trace, Auto Trace, Heart Rate, Resistive Index, Pulsatility index, Systolic/Diastolic Ratio, Volume Flow, Velocity Time Integral, TAM, TAP
- 3 Doppler measurements can be traced manually or automatically.
- 4 Automatic trace results (determined by exam type): Velocity Time Integral, Peak Velocity, Mean Pressure Gradient, Mean Velocity on Peak Trace, Pressure Gradient, Cardiac Output, Peak Systolic Velocity, Time Average Mean, Systolic/Diastolic Ratio, Pulsatility Index, End Diastolic Velocity, Acceleration Time, Resistive Index, Time Average Peak, Gate Depth, Heart Rate.
- 5 M-mode Measurements: Distance, Time, Slope, Heart Rate
- 6 Measurement on saved images

Calculation Packages

- 1 **Abdomen:**
 - 2D Calculations and Measurements: Bladder Volume, Post-Void Bladder Volume, IVC Collapse, Aorta, CBD, CHD, Gallbladder, Liver, Spleen and Renal
 - Doppler Calculations: Renal Aortic Ratio
 - M-Mode Calculations: IVC Collapse

2 Cardiac:

- 2D Cardiac Calculations and Measurements: Teichholz Ejection Fraction, Fractional Shortening, Simpson's method of discs for single and bi-plane ventricular volumes and ejection fraction, Left and Right Fractional Area Change, Planimetry for Valve Area (AVA, MVA), Vena Contracta (AV, MV), LV Mass, LV Mass Index, LA/Ao, IVSd/LVPWd, IVSs/LVPWs, IVS FT, LVPW FT, LA Single and Biplane Volume, LA Biplane Volume Index, LA Area, RA Simpson's Volume, RA Volume Index, LV Dimensions, RV Dimensions, Aorta Dimensions, IVC Collapse, IVC Distensibility Index
- M-Mode Cardiac Calculations and Measurements: Teichholz Ejection Fraction (EF), Fractional Shortening, LV Dimensions, TAPSE, MAPSE, EPSS, IVC Collapse, IVC Distensibility Index, D-E Slope, E-F Slope, Aortic Cuspal Separation, LVET, IVS FT, LVPW FT, LV Mass, LV Mass Index, IVSd/LVPWd, IVSs/LVPWs, LA/Ao, Heart Rate
- Doppler Cardiac Calculations and Measurements: Cardiac Output, Cardiac Index, Stroke Volume, Stroke Index, Isovolumic Relaxation Time, Aortic Valve Area (By VTI and Vmax), Aortic Valve Area Index, AV Velocity Ratio, Mitral Valve Area (by PHT and VTI), Pressure Half Time (MV, TV, AI), Right Atrial Pressure, Right Ventricular Systolic Pressure (RVSP), Pulmonary SV, Deceleration Time, Delta Pressure: Delta Time (dP: dT), Pulmonary AT(Acceleration Time), PV VTI, PV VMax, TV VTI, TV E and A, Qp/Qs, RIMP, MV E/A, Sep E/e', Lat E/e', Pulmonary vein velocities (S, D, A, Adur), VTI % Change, SV % Change, CO % Change, VMax % Variation, VTI % Variation
- Tissue Doppler Calculations and Measurements: Sep e', Sep a', Lat e', Lat a', Ant e', Inf e', Sep E/e', Lat E/e', RV s'

3 OB/Gyn:

- 2D Gynecology Calculations and Measurements: Ovary Volume (right and left), Endometrium, Uterus Volume, 10 Follicular Measurements, (right and left)
- 2D Early Obstetric Calculations and Measurements: YS, Mean Gestational Sac, NT, CRL, BPD, Myometrial Mantle, Cervical Length, EDD by LMP, EDD by AUA, GA by EDD, AUA, Ovary Volume (right and left)
- 2D Obstetric Calculations and Measurements: BPD, OFD, HC, AC, FL, Cerebellar Diameter, Cisterna Magna, OOD, IOD, Lateral Ventricle, Cervical Length, Amniotic Fluid Index, EDD by LMP, EDD by AUA, GA by LMP, GA by EDD, AUA, EFW, EFW Percentile, HC/AC, FL/BPD, FL/HC, Cephalic Index (HC)
- M-Mode Calculation: FHR
- Doppler Obstetric Calculations: MCA Trace (RI, PI, S/D, EDV, PSV), Umbilical Artery Trace (RI, PI, S/D, EDV, PSV), Umbilical Artery S/D Ratio (S/D, PSV, EDV, RI), FHR
- Biophysical Profile
- User-Selected Gestational Age References: GS, CRL, BPD, OFD, HC, AC, FL
- Multiple Gestation Package: Quads

4 Small Parts/MSK:

- 2D Calculations: d:D Hip Ratio, Hip Angles

5 Transcranial Doppler (TCD):

- Doppler Basic Measurements: TAP, PSV, EDV, MDV, RI, PI, S/D Ratio, Gate Depth

6 Vascular:

- Doppler Basic Measurements: Volume Flow including VTI, Peak Systolic Velocity, End Diastolic Velocity, Resistive Index, Pulsatility Index, S/D Ratio, Time Average Peak Velocity
- 2D Calculations: CVR

7 Carotid:

- Doppler Basic Measurements: Volume Flow including VTI, Peak Systolic Velocity, End Diastolic Velocity, Resistive Index, Pulsatility Index, S/D Ratio, Time Average Peak Velocity
- 2D Carotid Measurements and Calculations: CCA Diameter

- PW Carotid Measurements and Calculations: CCA VTI, PSV, EDV, RI, Time, Heart Rate, Carotid Blood Flow
- Nerve
- 2D Calculations: CVR
- Calculations on saved images

DICOM Image Management

- 1 Store, Modality Worklist, Perform Procedure Step (PPS), Storage Commitment
- 2 Basic Text and Comprehensive Structured Reports (SR)
- 3 DICOM USB export
- 4 Allow saving DICOM configuration via USB for easy replication or restoration.
- 5 DICOM 3.0 compliant

Connectivity and External Data Management

- 1 2 USB 3.0 Ports (system)
- 2 1 Digital Video Output (system)
- 3 1 ECG Port (system)
- 4 3 USB 3.0 Ports (stand I/O Hub)
- 5 1 Ethernet Port (stand I/O Hub)
- 6 Storage capacity alert if internal storage is less than 10%
- 7 Auto Delete function
- 8 Automatic time server reconciliation
- 9 IPv4 and IPv6 Networking

Optional Medical Informatics

- 1 Barcode Expressions: Sonosite barcode scanner customization software
- 2 Integration of optional Synapse Synchronicity workflow manager for credentialing, POCUS billing, and customizable worksheets
- 3 Onboard Qview application for Qpath E

Wireless Solutions

- 1 2.4GHz and/or 5GHz Embedded Wireless Option:
 - Wireless Protocols supported: 802.11a/b/g/n/ac
 - Wireless Roaming supported: 802.11k and 802.11r (with FT-802.1x authentication only / without support for FT-PSK)
 - Shared Key authentication: 802.11i (with the exception of WPA3)
- 2 Key management protocols: RADIUS and WPA2 (Personal and Enterprise)
- 3 FIPS 140-2 wireless security protocol

Data Security

- 1 System meets NIST 800-53 moderate security control selections per Federal Information Processing standards FIPS199, and FIPS200
- 2 Secure Boot
- 3 Role-based user authentication
- 4 LDAP/AD user authentication support
- 5 Wi-Fi Security Policies: RADIUS,
- 6 Complex Password Rules: Complex passwords, minimum password length, automatic password aging, and password history re-use limit rules
- 7 Federal System Use Notification
- 8 Industry Standard Password Protection
- 9 HIPAA Break Glass Emergency Mode support
- 10 Secure DICOM communication support
- 11 FIPS 140-2 compliant for data encryption at rest and in transit
- 12 Malware protection via whitelisting
- 13 Security Technical Implementation Guides (STIGs) hardened OS and services
- 14 System firewall for network traffic control
- 15 MDS2 listed on sonosite.com

Admin User Settings

- 1 Manage, import, create new, edit and delete user profiles
- 2 Connectivity settings including network status
- 3 Configure connection to directory server
- 4 Manage local password requirements
- 5 Data security mode, data import and export control, create notifications
- 6 Audio and display settings
- 7 Location, date and time
- 8 Power and battery settings
- 9 System and Log Information

Stand & Storage

- 1 Adjustable stand height
- 2 4 transducer holders
- 3 Dedicated holders for disinfectant wipes and gel
- 4 Large storage basket
- 5 AC cord retainer

Optional Accessories

- 1 ECG Module with patient leads and accessory cable with adaptor
- 2 Medical grade B&W printer
- 3 Barcode Scanner
- 4 Soft backpack case
- 5 Hard pelican case
- 6 Stand Battery
- 7 TTC
- 8 I/O Hub – See Connectivity and External Data Management Section for details
- 9 System Battery
- 10 USB User Guide
- 11 Paper User Guide
- 12 AC Power Supply

Carry Case Dimensions (Height x Width x Depth)

- 13 Hard carry case: 19.7in x 24.7in x 11.7in
- 14 Soft carry case: 21in x 14in x 9.5in

Battery Management

- 1 System operates via battery or AC power:
 - Battery charge indicator light on lid
 - Battery charge indicator on clinical monitor
 - Battery Charge Warning: At 5 minutes of charge left or lower
- 2 System Battery:
 - Battery: rechargeable lithium-ion
 - Battery Capacity: 94 Watt hours
 - Battery Life (system only): 1 hour and 30 minutes
 - Battery Charging Time (system only): charges from 15% to 80% in 90 minutes
 - Battery Lifecycle: 80% capacity after 500 charge cycles
- 3 System + Stand Battery:
 - Battery: rechargeable lithium-ion
 - Battery Capacity: 282 Watt hours
 - Battery Life: 4.5 hours
 - Battery Charging Time: charges from 15% to 80% in 3 hours 30 minutes (System Battery + Stand Battery)
 - Battery Lifecycle: 80% capacity after 500 charge cycles

Power Supply

- 1 Power Input: 100-240 VAC, 50-60 Hz, 2.5 A
- 2 Power Output: 28 VDC, 6.42 A, 180Watts max; Class 1, continuous use

Stand Rating

- 1 Power Input: 100-240 VAC, 50-60 Hz, 2.5 A
- 2 Power Output: 28 VDC, 6.42 A, 180Watts max; Class 1, continuous use

Heat Output

- 3 While operating 120W - 409.2 BTUs
- 4 While operating and charging (max power) 180 W- 612 BTUs

Infection Control Standards

- 1 Cleaners and Disinfectants Tool located on sonosite.com
- 2 Cleaning Mode available for ease of disinfection
- 3 System work surface is sealed edge-to-edge
- 4 Transducers are IPX7 rated for immersion

System User Interface Languages

- 1 English, French, German, Italian, Japanese, Spanish, Simplified Chinese

Environmental Limits for System, Transducer and Battery

| Limit Type | Operating Limits | Storage Limits |
|----------------------|---------------------------------|---------------------------------|
| Temperature | 32-104°F (0-40°C) | -31-149°F (-35-65°C) |
| Humidity | 15-95% relative humidity (R.H.) | 15-95% relative humidity (R.H.) |
| Atmospheric Pressure | 700-1060 hPa (0.69-1.05 ATM) | 500-1060 hPa (0.5-1.05 ATM) |

Transducer Specifications

| Transducer | Exam Types | Bandwidth | Size | Elements | Scan Depth (min) | Scan Depth (max) | Imaging modes | Optional Needle Guide Starter Kit |
|------------|---|-----------|-------|----------|------------------|------------------|---|---|
| C5-1 | Abdomen, Lung, MSK, Nerve, OB, Early OB, GYN | 5-1 MHz | 60 mm | 128 | 4.7 cm | 30 cm | B-mode, THI, SonoMB, SNP, M-mode, CPD, CVD, PW | CIVCO Ininiti Plus™ variable angle, in-plane guide |
| IC10-3 | OB, Early OB, GYN | 10-3 MHz | 26 mm | 128 | 3 cm | 15 cm | B-mode, THI, SonoMB, M-mode, CPD, CVD, PW | CIVCO Disposable Endocavity Needle Guides |
| L12-3 | Nerve, MSK, Venous, Lung, Ophthalmic, PIV, Superficial, Arterial, Carotid | 12-3 MHz | 38 mm | 192 | 1.5 cm | 9 cm | B-mode, THI, SonoMB, SNP, M-mode, CPD, CVD, PW, Triplex | CIVCO Ininiti Plus™ variable angle in-plane guide |
| L15-4 | Nerve, MSK, Superficial, Breast | 15-4 MHz | 50 mm | 256 | 1.5 cm | 6 cm | B-mode, THI, SonoMB, SNP, M-mode, CPD, CVD, PW | CIVCO Ininiti Plus™ variable angle in-plane guide |
| L19-5 | PIV, Venous, Nerve, MSK, Ophthalmic, Superficial | 19-5 MHz | 20 mm | 128 | 1 cm | 6 cm | B-mode, THI, SonoMB, SNP, M-mode, CPD, CVD, PW, Triplex | CIVCO Ininiti Plus™ variable angle in-plane guide and AccuSITE™, out-of-plane guide |
| P5-1 | Cardiac, Lung, Abdomen, OB, Transcranial, Orbital | 5-1 MHz | 19 mm | 64 | 5 cm | 35 cm | B-mode, THI, M-mode, CPD, CVD, Variance, PW, TDI, CW, Triplex | N/A |

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