

System Specifications:

System weight	3.06 kg (system only)
Dimensions	30.2 cm L x 27.7 cm W x 8.0 cm H
Display	26.4 cm diagonal LCD (NTSC or PAL)
Architecture	All-digital broadband
Number of channels	128 channels
Dynamic range	Up to 165 dB
Gray scale	256 shades
HIPAA compliance	Comprehensive tool set

Imaging Modes and Processing:

Broadband, multifrequency imaging:
 2D / Tissue Harmonic Imaging / M-mode
 Velocity Colour Doppler / Colour Power Doppler
 PW, PW Tissue Doppler and CW
 Image processing:
 SonoMB™ Multi-beam Technology
 SonoRES™ Image Enhancement Capability
 Dual imaging
 2x pan/zoom capability
 Dynamic range and gain

Transducers:

Broadband and multifrequency:
 Linear Array, Curved Array, Phased Array, Multiplane TOE and Micro-Convex
 Single frequency:
 Cardiac Static Pencil

User Interface and Remappable Controls:

- Softkeys to drive advanced features
- Delta key: user-assigned functions for increased ease of use
- Alphanumeric QWERTY keyboard
- Track pad with select key for easy operation and navigation
- Doppler/M-mode controls: angle, steer, scale, baseline, gain and volume
- Image acquisition keys: review, report, VCR, Clip Store, DVD, save

Application Specific Calculations:

OB/Gyn/Fertility:

Diameter/ellipse measurements, volume, six follicle measurements, estimated foetal weight, established due date, gestational age, last menstrual period, growth charts, user-defined tables, multiple user-selectable authors, ratios, amniotic fluid index, patient report

Vascular:

Diameter/ellipse/trace measurements, volume, volume flow, percent diameter and area reduction, Lt/Rt CCA, ICA, ECA, ICA/CCA ratio, time average mean (TAM), peak trace, angle correction, patient report

IMT (Intima Media Thickness):

SonoCalc® IMT software – automatic edge detection with mean and maximum thickness reporting

Cardiac:

Complete cardiac calculations package and patient report including: ventricular, aortic and atrial measurements; ejection fraction, volume measurements, Simpson's rule, continuity equation, pressure half-time and cardiac output

Transcranial Doppler (TCD):

Complete TCD package including Time Average Peak (TAP)

Onboard Image and Clip Storage/Review:

Up to 4GB flashcard storage capability
 Clip Store via ECG gated (up to 10 beats) or time-based (up to 6 seconds) digital image acquisition
 Cine review up to 220 frame-by-frame images



External Data Management or Wireless:

DICOM® Image Management (TCP/IP)

Print and Store
 Modality Work List

PC Workstation Image Management (TCP/IP, USB or Flashcard reader)

SiteLink™ Image Manager – allows transfer, archiving, viewing and printing of high resolution bitmap images, and batch compression to JPEG on PCs

Measurement Tools, Pictograms and Annotations:

2D: Distance calipers, ellipse for area and circumference measurements
Doppler: Velocity measurements, pressure half time, volume flow calculation
M-mode: Distance and time measurements, heart rate calculation
User-selectable text and body markers
Application-specific text via function keys
Biopsy guidelines

External Video and Audio (requires an MDS, MDS Lite or separate minidock):

- S-video (in/out) to VCR or DVD for record and playback
- RGB output to external LCD display*
- Composite video output (NTSC/PAL) to VCR, video printer or external LCD display
- Audio output
- Integrated speakers

Power Supply:

System operates via battery or AC power
 Rechargeable lithium-ion battery
 AC: universal power adapter, 100-240 VAC, 50/60 Hz input, 15 VDC output

Mobile Docking Stations (MDS) and Peripherals:

MDSe – Convenient Workstation:

- Storage for fully integrated printer and VCR or DVD
- Transducer holder and storage
- Optional Triple Transducer Connect (TTC) allows the user to quickly activate transducers electronically
- Optional foot switch
- Optional 38 cm (diagonal) DVI monitor

MDS Lite – Convenient Workstation:

- Storage for fully integrated printer or DVD
- Transducer holder and storage
- Optional Triple Transducer Connect allows the user to quickly activate transducers electronically
- Optional foot switch

Printers: Medical-grade black and white or colour

External storage devices: Medical-grade VCR or DVD

ECG module: 3-lead ECG – works with standard ECG leads and electrodes

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The MicroMaxx® system offers a wide range of transducers for multiple clinical applications. These transducers are designed with broadband signal processing, which provides access to more information by transmitting and receiving through a broader bandwidth of frequencies.* This technology allows a single transducer to image over a greater range of depths, expanding clinical



utility. Unique in the industry, SonoSite-manufactured transducers yield an uptime of greater than 99.9% per year and come with an industry leading 5-year warranty.

Transducer	Applications	Bandwidth	Scan Depths	Biopsy Kit
L38e** 	Small parts, breast, vascular, venous access, nerve, IMT, musculoskeletal, superficial	10-5 MHz 38-mm broadband linear array	9 cm	Available
HFL38** 	Breast, small parts, nerve, vascular, venous access, IMT, musculoskeletal	13-6 MHz 38-mm broadband linear array	6 cm	Available
L25e** 	Nerve, musculoskeletal, vascular, venous access, superficial	13-6 MHz 25-mm broadband linear array	6 cm	Transverse Guide Available
SLA** 	Vascular, musculoskeletal, superficial, nerve	13-6 MHz 25-mm broadband linear array	6 cm	NA
C8e** 	Obstetrics, gynaecology, prostate (transrectal, transvaginal)	8-5 MHz 8-mm broadband tightly curved array	11.5 cm	Available
C11e** 	Abdominal, nerve, neonatal, vascular	8-5 MHz 11-mm broadband curved array	10 cm	NA
C60e** 	Abdominal, obstetrics, gynaecology, nerve	5-2 MHz 60-mm broadband curved array	30 cm	Available
ICTe 	Obstetrics, gynaecology	8-5 MHz 11-mm broadband tightly curved array	10 cm	Available
P17 	Cardiology, abdominal, obstetrics, transcranial (TCD), orbital	5-1 MHz 17-mm broadband phased array	35 cm	Available
P10 	Paediatric cardiology, paediatric abdominal, neonatal	8-4 MHz 10-mm broadband phased array	14 cm	Available
SLT 	Hepatic, abdominal	10-5 MHz 52-mm broadband linear array	10 cm	NA
LAP 	Laparoscopic abdominal, pelvic	12-5 MHz 48-mm broadband linear array	10 cm	NA
D2 	Cardiology (CW)	2 MHz Pencil Transducer, Pedof CW	NA	NA
TOE/TEE 	Adult cardiology	8-3 MHz Multiplane transoesophageal 180-degree rotation of the imaging plane, providing a 360-degree field of view	18 cm	NA

*With the exception of the D2/2, a single frequency transducer.

**SonoMB™ Multi-beam Technology compatible.