DP-50 Digital Ultrasonic Diagnostic Imaging System

Performance Specifications

System Description

The DP-50 is designed to be portable, ergonomic, and easy to use. The platform supports multi-modalities.

Applications

Gynecology, obstetrics, abdominal, pediatric, small organ, cephalic, transcranial, musculo-skeletal, cardiac, vascular, urology, orthopedics, nerve, Intraoperative.

General Specification

Dimensions and Weight

Unfolded:

Depth:	476mm (18.74 inch)
Width:	415mm (16.34 inch)
Height:	396mm (15.59 inch)

Folded:

Depth:	190mm (7.48 inch)
Width:	415mm (16.34 inch)
Height:	378mm (14.88 inch)
Net Weight:	7.7kg (without battery)

Electrical Power

Input Power

Voltage:	100 – 240V~
Frequency:	50/60Hz
Input current:	1.5 – 0.8A

Output Power

Output power:	500W

Battery

Lithium-ion Battery Pack:	14.8V, 6600mAh
Charge time:	< 3 hours (connected on AC power supply, with the system powered off)
Endurance time:	> 120 min

Boot Time

Boot time:	≤23s
Wake up time (from standby):	≤5.8s

Operating Environment

Ambient temperature:	0°C ~ 40°C
Relative humidity:	30% ~ 85% (no condensation)
Atmospheric pressure:	700 hPa ~ 1060 hPa

Storage & Transportation Environment

Ambient temperature:	-20°C ~ 55°C
Relative humidity:	30% ~ 95% (no condensation)
Atmospheric pressure:	700 hPa ~ 1060 hPa

Probe

Probe Types:	Convex array Linear array

Scanning Methods

Electronic convex with extend FOV

Electronic linear with slant scanning and trapezoid

Probe Model

35C50EA Convex

65C15EA Micro-Convex

65EC10EA Endocavity Micro-Convex

75L38EA Linear

75L53EA Linear

10L24EA Linear

Available Needle-guided Bracket for Probe

35C50EA NGB-001

65C15EA NGB-005

75L38EA NGB-002

75L53EA NGB-007

10L24EA NGB-016

System Configuration

Standard Configuration

Display:	15-inch LCD, High-Resolution 1024 x 768
Contrast and brightness:	Adjustable
Screen Saver:	Time presettable
Angle adjustable:	30°
Control Panel:	Alphanumeric Keys Function Keys
User-defined Keys:	Function presettable

8 segment TGC

Trackball:	Color & Speed presettable
Key Backlight:	Brightness & Volume presettable

Integrated Speakers

Indicators:	Power/Battery/Standby/ HDD status

Phase Shift harmonic imaging

Trapezoid imaging

Slant scanning for linear probes (2D Steer)

iBeam™

iTouch™

ExFOV Imaging for Convex Probe

iStation™

320G integrated hard disk

I/O Interfaces

Transducer port:	2
Power input port:	1 (Connect to the AC power supply)
USB port:	4
VGA OUT port:	1
Video OUT:	1
S-Video OUT:	1 (Separate video output)
Ethernet port:	1 (Connect to network)

Remote control port: 1

Multi-language screen display and control panel overlay

Application categories:	Abdomen, Obstetrics, Gynecology, Cardiology, Small Parts, Urology, Vascular, Orthopedics, Emergency, Nerve
Accessories:	Basic Volume, Advanced Volume, Operation Note, Operator's manual, Gel, Power cord, 3-Flat-Pin Power Cord, US Power Cord, Probe holder, Grounded Cable, Video Printer Remote Cable

System Language

Software display and keyboard input available:	Chinese/English/German/Spanish/ French/Italian/Portuguese/Russian/ Czech/Polish
Keyboard input available only:	Icelandic/Norwegian/Swedish/ Finnish/Turkish/Danish
Control panel overlay available:	Chinese/German/Spanish/French/ Italian/Portuguese/Russian/Czech/ Polish
Operation manual available:	Chinese/English/German/Spanish/ French/Italian/Portuguese/Russian

Options

iClear™, IMT (Auto Calculation of Intima-Media Thickness), DICOM basic, Task management, DICOM storage, DICOM print, DICOM storage commitment, DICOM media storage (including DICOM DIR), DICOM Worklist Keys for optical functions, iClear™ Key, IMT Key, DICOM Basic Key, DICOM Worklist Key, Battery Pack, Carrying case

External USB DVD-RW:	SE-S224Q
Footswitch:	971-SWNOM (2-pedal) SP-997-350 (3-pedal)
Mobile trolley:	UMT-50
Adjustable height range:	0-100mm, 3 levels

Peripherals Supported

Black and White Video Printer
SONY UP-897MD Analog
MITSUBISHI P93W Analog
Color Video Printer
SONY UP-20 Analog
MITSUBISHI CP910 Analog
HP Photosmart plus B210A Digital
Graph/text printer
HP deskjet 1280
HP Laserjet CM1015
HP officejet 6000
HP officejet all-in-one 3600

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DP-50 Digital Ultrasonic Diagnostic Imaging System

Performance Specifications

Exam Mode

ABD, ABD-Difficult, Ped-ABD, GYN, OB1, OB2/3, Cardiac, Thyroid, Breast, SMP, Urology, Prostate, Vascular, Musculoskeletal, Nerve, Superficial, Orthopedic, EM FAST

Imaging Mode

B-Mode
Tissue Harmonic Imaging
Phase Shift Harmonic Imaging
Slant scanning for linear probes (2D Steer)
Trapezoid Imaging for Linear Probe
ExFOV Imaging for Convex Probe

M -Mode

Display Mode

Dual live: B/M
Time line display: Left/right and top/bottom (1:1, 1:2, Full)
Single window
Dual-split: B/M, B/B
Quad-split: 4B

Imaging Technology

iBeam™ (Spatial Compounding Imaging for Linear and Convex Probe)
Multi-frequency probes for 2D imaging modes
iClear™ (adaptive speckle suppression imaging for all probes)
iTouch™ (B/M): Auto Optimization
TSI (Tissue Specific Imaging)
iZoom™
Spot Zoom and Pan Zoom

B Mode

Display Depth
Minimum: 0.9cm
Maximum: 37cm
B mode: 400 fps
Adjustable focus number: 4
Adjustable focus positions (Max.): 16
Digital processing channels: 1024
Magnification factor:
Pan Zoom: 100%-1000%, 10 steps
Spot Zoom: continuously adjustable
iZoom: instant full screen view, two level
System dynamic range: 30~220dB, 39 steps
Frequency: 2.0~14.0MHz (transducer dependant), 6 steps
Gain: 0~100dB, 51 steps
TGC: 8
Colorize: On, off
Colorize map: Off, 1~16
FOV: N, M1, M2, W, ExFOV
IP: 1~8
Persistence: 0~7
R/L, U/D Flip
Rotation: 0°, 90°, 180°, 270°
Line Density: L, M, H, UH
iTouch Bright: -12~12dB, 9 steps
A.power: 7%~100%, 32 steps
Smooth: 1~4
TSI: General, Fat, Fluid, Muscle
B Steer: -6°, 0°, 6°, linear transducer only
Trapezoid: On, off, linear transducer only
FOV Position: Max. 5 steps
HScale: On, off
Lithotrity: On, off
Gray Rejection: 0~5
γ: 0~3
Curve: Adjustable
Gray Invert: On, off
High FR: On, off, 35C50EA THI
Auto Merge: On, off, linear probe, Dual display mode

M Mode

Speed: 1~6
IP: 1~8
Edge Enhance: 0~14
M Soften: 0~14
Time Mark: On, off

Display Annotations

Hospital name: Up to 64 characters can be displayed
Exam date: 3 types selectable, YY/MM/DD, MM/DD/YY, DD/MM/YY
Exam time: 2 formats
Acoustic output indices: MI, TIC, TIS, TIB
Freeze icon
Gender
Age
ID: Up to 64 characters can be displayed
Name: Up to 64 characters can be displayed
Probe model
Current exam mode
Accession#
Operator: Up to 64 characters can be displayed
Menu: Image, Probe orientation mark, Time line, Coordinate axis, including depth, time, frequency
TGC curve, Focus, Comment, Body mark, Measure caliper, Gray scale bar, Thumbnail, Help information, Status icons, Biopsy guideline
Measure result window (up to 8 results can be displayed)
Image parameters

Comments and Body Mark

Comment

Text Comment

Comment text (option)
Abdomen: 89
OB: 97
Cardiology: 80
GYN: 69
Vascular: 110
Urology: 61
SMP: 123
Pediatrics: 35
Nerve: 52
EM: 126
User-defined Comments
Add
Delete

Arrow

Arrow Size
Arrow position
Arrow orientation

Body Mark

Application Package (Option)

Abdomen: 13
OB: 25
Cardiology: 18
GYN: 7
Vascular: 17
Urology: 7
Small Part: 46
Nerve: 32
EM: 38

User-defined

Import (load)
Delete

Storage/Connection

320G integrated hard disk
External DVD-R/W (Optional)
4 USB ports
Image archive on hard disk and DVD, temporary saving in cine memory
Clipboard
Thumbnail
Single-frame image formats: BMP, JPG, DCM, FRM (supports off-line analysis)
Multi-frame images formats: AVI, DCM, CIN (supports off-line analysis)
Storage area:
Image area: 640×480
Standard area: 800×600
Full-screen: 1024×768

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DP-50 Digital Ultrasonic Diagnostic Imaging System

Performance Specifications

Storage/Connection (cont'd)

iVision: Demo player

Cine review: Auto, Manual (auto review segment can be set), supports linked cine review for 2D, M images

Cine memory capacity (Max.)

Clip length presettable: 1-60s

B mode: 10566 frames

M mode: 66.3s

Max. frames in HDD

12905551 frames (JPG format)

232397 frames (FRM format)

DICOM: DICOM Basic, Task management, DICOM storage, DICOM print, DICOM storage commitment, DICOM media storage (including DICOM DIR), DICOM Worklist

iStation™

Intelligent patient data management system

Integrated search engine for patient data

Detailed patient information view

Intelligent data backup/restore

Patient data/image sending

Patient data deleting

Exam managing: create new exam, activate exam and continue exam

Recycle Bin

Task manager

Measure/Calc/Study

Caliper

2D-mode

Depth, Distance, Angle, Area, Volume, Cross, Parallel, T Length, Ration (D), Ratio (A), B-Hist, B-Profile

M-mode

HR, Slope, Distance, Time, Velocity

Application

Abdomen

2D-mode Measure

Liver
Renal L (Renal Length)
Renal H (Renal Height)
Renal W (Renal Width)
Cortex (Renal Cortical Thickness)
Adrenal L (Adrenal Length)
Adrenal H (Adrenal Height)
Adrenal W (Adrenal Width)
CBD (Common bile duct)
Portal V Diam (Portal Vein Diameter)
CHD (Common hepatic duct)
GB L (Gallbladder Length)
GB H (Gallbladder Height)
GB wall th (Gallbladder wall thickness)
Panc duct (Pancreatic duct)
Panc head (Pancreatic head)
Panc body (Pancreatic body)
Panc tail (Pancreatic tail)
Spleen
Aorta Diam (Aorta Diameter),
Aorta Bif
Iliac Diam (Iliac Diameter)
Pre-BL L (Previous-Bladder Length)
Pre-BL H (Previous-Bladder Height)
Pre-BL W (Previous-Bladder Width)
Post-BL L (Posterior-Bladder Length)
Post-BL H (Posterior-Bladder Height)
Post-BL W (Posterior-Bladder Width)

2D-mode Calculation

Renal Vol (Renal Volume)
Pre-BL Vol (Previous-Bladder Volume)
Post-BL Vol (Posterior-Bladder Volume)
Mictur. Vol (Micturated Volume)

2D-mode Study

Kidney, Adrenal, Bladder

Obstetrics

2D-mode Measure:

GS (Gestational Sac Diameter)
YS (Yolk Sac)
CRL (Crown Rump Length)
NT (Nuchal Translucency)
BPD (Biparietal Diameter)
OFD (Occipital Frontal Diameter)
HC (Head Circumference)
AC (Abdominal Circumference)
FL (Femur Length)
TAD (Abdominal Transversal Diameter)
APAD (Anteroposterior Abdominal Diameter)
TCD (Cerebellum Diameter)
Cist Magna (Cist Magna)
LVW (Lateral Ventricle Width)
HW (Hemisphere Width)
OOD (Outer Orbital Diameter)
IOD (Inter Orbital Diameter)
HUM (Humerus Length)
Ulna (Ulna Length)
RAD (Radius Length)
Tibia (Tibia Length)
FIB (Fibula Length)
CLAV (Clavicle Length)
Vertebrae (Length of Vertebrae)
MP (Middle Phalanx Length)
Foot (Foot Length)
Ear (Ear Length)
APTD (Anteroposterior trunk diameter)
TTD (Transverse trunk diameter)
FTA (Fetal Trunk Cross-sectional Area)
THD (Thoracic Diameter)
HrtC (Heart Circumference)
TC (Thoracic circumference)
Umb VD (Umbilical Vein Diameter)
F-kidney (Fetal kidney Length)
Mat Kidney (Matrix Kidney Length)
Cervix L (Cervical Length)
AF (Amniotic Fluid)
NF (Nuchal Fold)
Orbit (Orbit)
PL Thickness (Placental Thickness)
Sac Diam1 (Gestational Sac Diameter 1)
Sac Diam2 (Gestational Sac Diameter 2)
Sac Diam3 (Gestational Sac Diameter 3)
AF1 (Amniotic Fluid 1)
AF2 (Amniotic Fluid 2)
AF3 (Amniotic Fluid 3)
AF4 (Amniotic Fluid 4)
LVIDd (Left Ventricular Internal Diameter at End-diastole)
LVIDs (Left Ventricular Internal Diameter at End-systole)
LV Diam (Left Ventricular Diameter)
LA Diam (Left Atrium Diameter)
RVIDd (Right Ventricular Internal Diameter at End-diastole)
RVIDs (Right Ventricular Internal Diameter at End-systole)
RV Diam (Right Ventricular Diameter)
RA Diam (Right Atrium Diameter)
IVSd (Interventricular Septal Thickness at End-diastole)
IVSs (Interventricular Septal Thickness at End-systole)
IVS (Interventricular Septal Thickness)
LV Area (Left Ventricular Area)
LA Area (Left Atrium Area)
RV Area (Right Ventricular Area)
RA Area (Right Atrium Area)
Ao Diam (Aorta Diameter)
MPA Diam (Main Pulmonary Artery Diameter)
LVOT Diam (Right Ventricular Outflow Tract Diameter)
RVOT Diam (Right Ventricular Outflow Tract Diameter)

2D-mode Calculation

Mean Sac Diam (Mean Gestational Sac Diameter)
AFI, EFW1 (Estimated Fetal Weight 1), EFW2 (Estimated Fetal Weight 2), HC/AC, FL/AC, FL/BPD, AXT, CI, FL/HC, HC(c), HrtC/TC, TCD/AC, LVW/HW, LVD/RVD, LAD/RAD, AoD/MPAD, LAD/AoD

2D-mode Study AFI

M-mode Measure

FHR (Fetal Heart Rate)
LVIDd (Left ventricular diameter at end diastole)
LVIDs (Left ventricular diameter at end systole)
RVIDd (Right ventricular diameter at end diastole)
RVIDs (Right ventricular diameter at end systole)
IVSd (interventricular septal thickness at end diastole)
IVSs (interventricular septal thickness at end systole)

Available Obstetrics Formulae

GA (gestational age) and FG (fetal growth) Formulae

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Performance Specifications

Measure/Calc/Study (cont'd)

Available Obstetrics Formulae (cont'd)

Items	GA	FG
EFW1:	2	8
EFW2:	2	8
GS:	4	4
CRL:	9	6
BPD:	11	11
HC:	6	6
AC:	3	6
FL:	12	10
OFD:	3	4
APAD:	/	1
TAD:	/	1
FTA:	1	1
THD:	1	1
HUM:	2	2
Ulna:	/	1
Tibia:	/	1
RAD:	/	2
FIB:	/	2
CLAV:	1	1
TCD:	2	3
OOD:	1	/
Cist Magna:	/	1
Mean Sac Diam:	1	/
AFI:	/	1
Fetal Weight Formulae:	1	1

Cardiology

2D-mode Measure

- LA Diam (Left Atrium Diameter)
- LA Major (Left Atrium major Diameter)
- LA Minor (Left Atrium minor Diameter)
- RA Major (Right Atrium major Diameter)
- RA Minor (Right Atrium minor Diameter)
- LV Major (Left Ventricular major Diameter)
- LV Minor (Left Ventricular minor Diameter)
- RV Major (Right Ventricular major Diameter)
- RV Minor (Right Ventricular minor Diameter)
- LA Area (Left Atrium area)
- RA Area (Right Atrium area)
- LV Area(d) (Left Ventricular area at end-diastole)
- LV Area(s) (Left Ventricular area at end-systole)
- RV Area(d) (Right Ventricular area at end-diastole)
- RV Area(s) (Right Ventricular area at end-systole
- LVIDd (Left Ventricular Internal Diameter at end-diastole)
- LVIDs (Left Ventricular Internal Diameter at end-systole)
- RVDd (Right Ventricular Diameter at end-diastole)
- RVDs (Right Ventricular Diameter at end-systole)
- LVPWd (Left Ventricular Posterior wall thickness at end-diastole)
- LVPWs (Left Ventricular Posterior wall thickness at end-systole)
- RVAWd (Right Ventricular Anterior wall thickness at end-diastole)
- RVAWs (Right Ventricular Anterior wall thickness at end-systole)
- IVSd (Interventricular Septal thickness at end-diastole)
- IVSs (Interventricular Septal thickness at end-systole)
- Ao Diam (Aorta Diameter)
- Ao Arch Diam (Aorta arch Diameter)
- Ao Asc Diam (Ascending Aorta Diameter)
- Ao Desc Diam (Descending Aorta Diameter)
- Ao Isthmus (Aorta Isthmus Diameter)
- Ao st junct (Aorta ST junct Diameter)
- Ao Sinus Diam (Aorta Sinus Diameter)
- Duct Art Diam (Ductus Arteriosus Diameter)
- Pre Ductal (Previous ductal Diameter)
- Post Ductal (Posterior ductal Diameter)
- ACS (Aortic Valve Cusp Separation)
- LVOT Diam (Left Ventricular Outflow Tract Diameter)
- AV Diam (Aorta Valve Diameter)
- AVA (Aortic Valve Area)
- PV Diam (Pulmonary valve Diameter)
- LPA Diam (Left pulmonary Artery Diameter)
- RPA Diam (Right pulmonary Artery Diameter)
- MPA Diam (Main pulmonary Artery Diameter)
- RVOT Diam (Right Ventricular Outflow Tract Diameter)
- MV Diam (Mitral Valve diameter)
- MVA (Mitral Valve area)
- MCS (Mitral Valve Cusp Separation)
- EPSS (Distance between point E and Interventricular Septum when mitral valve is fully open)
- TV Diam (Tricuspid valve Diameter)
- TVA (Tricuspid Valve Area)
- IVC Diam(Insp) (Inferior vena cava inspiration Diameter)
- IVC Diam(Expir) (Inferior vena cava expiration Diameter)
- SVC Diam(Insp) (Superior vena cava inspiration Diameter)
- SVC Diam(Expir) (Superior vena cava expiration Diameter)
- LCA (Left Coronary Artery)
- RCA (Right Coronary Artery)
- VSD Diam (Ventricular Septal defect Diameter)
- ASD Diam (Atrial Septal defect Diameter)
- PDA Diam (Patent ductus Arteriosus Diameter)
- PFO Diam (Patent Oval Foramen Diameter)
- PEd (Pericardial Effusion at diastole)
- PEs (Pericardial Effusion at systole)

2D-mode Calculation

- LA/Ao (Left Atrium Diameter/Aorta Diameter)
- Ao/LA (Aorta Diameter/Left Atrium Diameter)

M-mode Measure

- LA Diam (Left Atrium Diameter)
- LVIDd (Left Ventricular Internal Diameter at end-diastole)
- LVIDs (Left Ventricular Internal Diameter at end-systole)
- RVDd (Right Ventricular Diameter at end-diastole)
- RVDs (Right Ventricular Diameter at end-systole)
- LVPWd (Left Ventricular Posterior wall thickness at end-diastole)
- LVPWs (Left Ventricular Posterior wall thickness at end-systole)
- RVAWd (Right Ventricular Anterior wall thickness at end-diastole)
- RVAWs (Right Ventricular Anterior wall thickness at end-systole)
- IVSd (Interventricular Septal thickness at end-diastole)
- IVSs (Interventricular Septal thickness at end-systole)
- Ao Diam (Aorta Diameter)
- Ao Arch Diam (Aorta arch Diameter)
- Ao Asc Diam (Ascending Aorta Diameter)
- Ao Desc Diam (Descending Aorta Diameter)
- Ao Isthmus (Aorta Isthmus Diameter)
- Ao ST junct (Aorta ST junct Diameter)
- Ao Sinus Diam (Aorta Sinus Diameter)
- LVOT Diam (Left Ventricular outflow tract Diameter)
- ACS (Aortic valve Cusp Separation)
- LPA Diam (Left pulmonary Artery Diameter)
- RPA Diam (Right pulmonary Artery Diameter)
- MPA Diam (Main pulmonary Artery Diameter)
- RVOT Diam (Right Ventricular outflow tract Diameter)
- MV E Amp (Amplitude of the Mitral Valve E wave)
- MV A Amp (Amplitude of the Mitral Valve A wave)
- MV E-F Slope (Mitral Valve E-F slope)
- MV D-E Slope (Mitral Valve D-E slope)
- MV DE (Amplitude of the Mitral Valve DE wave)
- MCS (Mitral Valve Cusp Separation)
- EPSS (Distance between point E and the interventricular septum)
- PEd (Pericardial effusion at diastole)
- PEs (Pericardial effusion at systole)
- LVPEP (Left Ventricular pre-ejection period)
- LVET (Left Ventricular ejection time)
- RVPEP (Right Ventricular pre-ejection period)
- RVET (Right Ventricular ejection time)
- HR (Heart Rate)

M-mode Calculation

- LA/Ao (Left Atrium diameter/Aorta diameter)
- Ao/LA (Aorta Diameter/Left Atrium Diameter)

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DP-50 Digital Ultrasonic Diagnostic Imaging System

Performance Specifications

Measure/Calc/Study (cont'd)

Cardiology (cont'd)

Cardiac Study Items

2D-mode

S-P Ellipse, B-P Ellipse, Bullet, Mod. Simpson, Simpson SP (A2C), Simpson SP (A4C), Simpson BP, Cube, Teichholz, Gibson, LA Vol(A-L), LA Vol (Simp), RA Vol (Simp), LV Mass (Cube), LV Mass (A-L), LV Mass (T-E)

M-mode

LVIMP, Cube ,Teichholz, Gibson, LV Mass (Cube)

Vascular

2D-mode Measure

Vas Diam (Vascular Diameter)
Vas Area (Vascular Area)

Normal (D) (Vessel Diameter)
Resid (D) (Residual Diameter)

Normal (A) (Vessel Area)
Resid (A) (Residual Area)

CCA IMT (Common Carotid Artery IMT)
Bulb IMT (Bulbillate IMT)
ICA IMT (Internal Carotid Artery IMT)
ECA IMT (External Carotid Artery IMT)

2D-mode Calculation

Stenosis D (Stenosis Diameter)
Stenosis A (Stenosis Area)

2D-mode Study

Volume Flow, Stenosis, IMT (Intima-Media Thickness)

Gynecology

2D-mode Measure

UT L, UT H, UT W, Cervix L, Cervix H, Cervix W, Endo, Ovary L, Ovary H, Ovary W, Follicle1-16 L, Follicle1-16 W, Follicle1-16 H

2D-mode Calculation

Ovary Vol, UT Vol, Uterus Body, UT-L/ CX-L

2D-mode Study

Uterus (Length, height and width of uterus, endometrium thickness)
Uterine Cervix (Length, height and width of uterine cervix)
Ovary (Length, height and width of ovary)
Follicle 1-16 (Length and width of follicle 1-16)

Urology

2D-mode Measure

Renal L, Renal H, Renal W, Cortex, Adrenal L, Adrenal H, Adrenal W, Prostate L, Prostate H, Prostate W, Seminal L, Seminal H, Seminal W, Testis L, Testis H, Testis W, Pre-BL L, Pre-BL H, Pre-BL W, Post-BL L, Post-BL H, Post-BL W

2D-mode Calculation

Renal Vol, Prostate Vol, Testis Vol, Pre-BL Vol, Post-BL Vol, Mictur.Vol

2D-mode Study

Kidney, Adrenal, Prostate, Seminal Vesicle, Testis, Bladder

Small Parts

2D-mode Measure

Thyroid L, Thyroid H, Thyroid W, Isthmus H, Testis L (Testicular Length), Testis H (Testicular Height), Testis W (Testicular Width), Mass1 D1-3, Mass2 D1-3, Mass3 D1-3

2D-mode Calculation

Thyroid Vol

2D-mode Study

Thyroid, Testis, Mass1-3

Orthopedics

2D-mode Measure

HIP, HIP-Graf

Diagnostic Report

View/add images, Data edit, Print, Import, Export (to PDF/RTF file), View history report, Obstetric analysis, Fetal growth curve

Safety & Conformance

Quality Standards

ISO 9001:2008

ISO 13485:2003

Design Standards

UL 60601-1

CSA C22.2 No. 601-1

EN 60601-1 and IEC 60601-1

EN 60601-1-1 and IEC 60601-1-1

EN 60601-1-2 and IEC 60601-1-2

EN 60601-2-37 and IEC60601-2-37

EN 60601-1-4 and IEC60601-1-4

EN 60601-1-6 and IEC60601-1-6

CE Declaration

DP-50/DP50T system is fully in conformance with the Council Directive 93/42/EEC Concerning Medical Devices, as amended by 2007/47/EC. The number adjacent to the CE marking (0123) is the number of the EU-notified body that certified meeting the requirements of Annex II of the Directive.

Not all features or specifications described in this document may be available in all probes and/or modes.

The contents of this manual are subject to change without prior notice and without our legal obligation.

Note: the contents in this datasheet are applied to Version 1.0 of system software for DP-50 diagnostic ultrasound system.

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