Datasheet

DP-10

Software version: 03.00.00

Digital Ultrasonic Diagnostic Imaging System

System Description

The DP-10 is an ergonomically designed portable and ease-of-use machine for multi-specialty use like adults, pregnant women, pediatric patients and neonates.

Intended Use

- CE Region: It is intended for use in gynecology, obstetrics, abdominal, pediatric, small organ, cephalic, musculo-skeletal, cardiac, vascular, urology exams.

General Specification

Dimensions and Weight

- Depth: 167mm (6.57 inch)
- Width: 290mm (11.42 inch)
- Height: 350mm (13.78 inch)
- Net Weight: 5.4kg (single-probe socket, without battery or hard disk)

Electrical Power

Input power

- Voltage: 100-240V～
- Frequency: 50/60Hz
- Input current: 1.0- 0.5A

Battery

- Lithium-ion Battery Pack: 11.1V ⎓ , 4800mAh
- Charge time: < 3 hours (connected on AC power supply, with the system powered off)
- Endurance time: > 120 min (Normal scanning, convex probe, single B mode, frequency 3.5M, AP15, depth 18.3cm, brightness 50%, contrast 50%, backlit brightness low, without hard disk).

Boot time

- Boot time: ≤60s

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 trapezoid

Probe Model

35C20EA	Convex
35C50EB	Convex
65C15EA	Micro-Convex
65EC10EB	Endocavity Micro-Convex
75L53EA	Linear
75L38EB	Linear

Available Needle-guided Bracket for Probe:

35C50EB	NGB-001
75L38EB	NGB-002
35C20EA	NGB-003
65EC10EB	NGB-004
65C15EA	NGB-005
75L53EA	NGB-007

System Configuration

Standard Configuration

- Display
  - 12.1-inch LED, High-Resolution 1024 x 768
  - Contrast & Brightness adjustable
  - Screen Saver: Time presettable
  - Angle adjustable: 30°
- Control Panel
  - Alphanumeric Keys
  - Function Keys
  - Knobs
  - User-defined Keys: function presettable
  - 8 segment TGC
  - Trackball: Color & Speed presettable
  - Key Backlight Brightness & Volume presettable
  - Integrated Speakers
- Indicators: Power/Battery/HDD status
- Handle
- Tissue harmonic imaging
- iClear
- Trapezoid imaging
- ExFOV Imaging (Extended FOV for Convex Probe)
- iStation™
- I/O Interfaces
  - Transducer port: 2 (2nd is optional)
  - Power input port: 1 (Connect to the AC power supply)
  - USB port: 2
  - 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
  - Nerve
- Smart Installment Reminder

Accessories

- Operator's manual
  - Basic Volume.
  - Advanced Volume.
  - Operation Note.
- Gel
- Power cord
  - 3-Flat-Pin Power Cord
  - EU Power Cord
  - US Power Cord
  - UK Power Cord
- Probe holder
- Gel 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/Turkish/Finnish/Danish/Icelandic/Norwegian/Swedish
- Keyboard input available only: Indonesian
- 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

- DICOM Basic
  - Task management
  - DICOM storage
  - DICOM print
  - DICOM storage commitment
  - DICOM media storage (including DICOM DIR)
- DICOM Worklist (DICOM Basic be configured)
- Battery Pack: Li-ion LI23I002A (configured in factory)
- 1TB Hard disk (configured in factory)
- PW mode
- External USB DVD-RW
- Footswitch:
  - 971-SWNOM (2-pedal or 3-pedal)
  - FS-81-SP (1-pedal)
- Mobile trolley: UMT-110

- Weight: 21kg
- Width: 445mm
- Depth: 535mm
- Height: selective (not available after installed): 810mm, 870mm, 2 levels

- Dual-probe socket
- Carrying bag
- Dust-proof cover
- Probes
- Needle-guided brackets
- iScanHelper

Peripherals Supported

- Black and White Video Printer
  - MITSUBISHI P93W-Z Analog
  - SONY UP-X898MD Analog
  - MITSUBISHI P95DW-N Digital
- Color Video Printer
  - SONY UP-D25MD Digital
- Graph / text printer
  - HP Officejet Pro 8100
- USB removable storage device

Exam Mode

- Adult ABD
- ABD-Difficult
- Ped-ABD
- GYN
- OB1
- OB2/3
- Urology
- Prostate
- Vascular
- Thyroid
- Breast
- Testicle
- MSK
- Nerve
- Superficial
- Orthopedic
- Cardiac

Imaging Mode

- B-Mode
  - Tissue Harmonic Imaging
- Trapezoid Imaging for Linear Probe
- ExFOV Imaging (Extended FOV for Convex Probe)
- Slant scanning for linear probes (PW independent)
- M – Mode
- PW - Mode
- Display Mode:
  - Dual live: B/M
  - Time line display: top/bottom (1:1, 2:1, 1:2, Full)
  - Single window
  - Dual-split: B/M, B/B, B/PW
  - Quad-split: 4B
  - B/C/D triplex mode

Imaging Features

- Multi-frequency probes for 2D imaging modes
- iTouch™ (B) : Auto Optimization
- TSI (Tissue Specific Imaging)
- Spot Zoom and Pan Zoom
- iZoom™

B Mode

- Display Depth
  - Minimum: 0.9 cm
  - Maximum: 37.8 cm
- Frame rate (Max.):
  - B mode: 375 fps
- Adjustable focus number: 4
- Adjustable focus positions (Max.): 16
- Magnification factor：
  - Pan Zoom: 0.8~10
  - Spot Zoom: continuously adjustable
  - iZoom™: Full-screen Zooming
- Dynamic range: 30~220
- iClear：1~4, off
- Gain: 0~100dB
- TGC: 8
- Gray map: 1~8
- Tint map: off, 1~16
- iTouch: on/off
- ExFOV: on/off (Trapezoid imaging for linear probe)
- FOV: on/off, continuously adjustable
- IP: 1~8
- Persistence: 0~7
- R/L, U/D Flip
- Rotation: 0°, 90°, 180°, 270°

- Line Density: L, M, H, UH
- A.power: 7%~100%, 3%/step
- Smooth: 0~3
- TSI: General, Fat, Fluid, Muscle
- H Scale: on/off
- Gray Rejection: 0~5
- γ: 0~3
- Curve: adjustable
- Gray Invert: on/off
- Auto Merge: on/off, linear probe, Dual display mode

M Mode

- Gain: 0~100
- Speed: 1~6
- Edge Enhance: 0~14
- M Soften: 0~14

PW Mode

- Display formats: V2:1, V1:2, V1:1, FULL
- SV: 0.5-20 mm
- SVD: 10%-100%
- Baseline: -4-4, 1/step
- PW Steer: max. 6 degrees (linear transducer)
- Volume: 0-100%, 2%/step
- PW PRF: 0.7 kHz to 24 kHz
- Gain: 0-100, 2/step
- Dynamic range: 24-72, 2/step
- Speed: 6 steps, 1/step
- Wall filter: 7 steps, 1/step
- Invert: on/off
- Angle: -89-89 degrees, 1/step
- Quick angle: -60, 0, 60 degrees
- Gray map: 8 types
- Tint map: Off; 16 types
- Time/frequency resolution: 0-4

Display Annotations

- Manufacturer logo
- 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
- Other 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
- 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 for all exam modes
- Custom: add/delete/edit comment units in current menu.

Arrow

- Arrow size
- Arrow position
- Arrow orientation

Body Mark

Application package

- Body marks for all exam modes:
- Custom: import/delete body marks

Storage/ Connection

- 1TB integrated hard disk (Optional)

- 8GB SSD standard storage space
- External DVD-R/W (Optional)
- 2 USB ports
- Image archive on hard disk, USB storage device, DVD, iStorage (Advanced Network Storage) and 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
- 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: 11959 frames
  - M mode: 110.0 s
- Max. frames in HDD
  - 1TB SATA hard disk not configured:
    BMP: 1137
    FRM: 1060
  - 1TB SATA hard disk configured:
    BMP: > 423000
    FRM: > 282000
- iStorage (Advanced Network Storage)
- 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

General

- B-Mode measurement
  - Distance
  - Ellipse
  - Trace
  - Spline
  - Cross
  - Angle
  - Double Dist
  - Trace Len
  - Trace Len(Spline)
  - Parallel
  - B-Profile
  - B-Hist(Ellipse)
  - B-Hist(Trace)
  - B-Hist(Spline)
  - B-Hist(Rectangle)
  - Depth
- B-mode calculation
  - Volume
  - Volume(Ellipse)
  - Volume(E+Dist.)
  - Ratio(D)
  - Ratio(Ellipse)
  - Ratio(Spline)
  - Ratio(Cross)
- B-mode study
  - Volume
    - Volume
    - Volume(Ellipse)
    - Volume(E+Dist.)
  - Ratio(A)
    - Ratio(Trace)
    - Ratio(Ellipse)
    - Ratio(Spline)
    - Ratio(Cross)
  - Volume Flow

        Vas Area
        TAMEAN
        TAMAX
- M-Mode measurement
    HR
    Slope
    Distance
    Time
    Velocity
- Doppler-Mode
    PS/ED
    Vel
    HR
    Time
    Acceleration
    D Trace
    Volume Flow
        Vas Area
        TAMEAN
        TAMAX

Application

Abdomen

- B-Mode measurement
    Liver
    Renal L
    Renal H
    Renal W
    Cortex
    Adrenal L
    Adrenal H
    Adrenal W
    CBD
    Portal V Diam
    CHD
    GB L
    GB H
    GB wall th
    Panc duct
    Panc head
    Panc body
    Panc tail
    Spleen
    Aorta Diam
    Aorta Bif
    Iliac Diam
    Pre-BL L
    Pre-BL H
    Pre-BL W
    Post-BL L
    Post-BL H
    Post-BL W
    Ureter
- B-Mode calculation
    Renal Vol
    Pre-BL Vol
    Post-BL Vol
    Mictur.Vol
- B-Mode study
    Kidney
        Renal L
        Renal H
        Renal W
        Cortex
    Bladder
        Pre-BL L
        Pre-BL W
        Pre-BL H
        Post-BL L
        Post-BL W
        Post-BL H
    Adrenal
        Adrenal L
        Adrenal W
        Adrenal H

Obstetrics

- B-Mode measurement
    GS
    YS
    CRL
    NT
    BPD
    OFD
    HC
    AC
    FL
    TAD
    APAD
    TCD
    CM
    LVW
    HW

OOD
IOD
HUM
Ulna
RAD
Tibia
FIB
CLAV
Vertebrae
MP
Foot
Ear
APTD
TTD
FTA
THD
HrtC
TC
Umb VD
F-kidney
Mat Kidney
Cervix L
AF
NF
Orbit
PL Thickness
Sac Diam1
Sac Diam2
Sac Diam3
AF1
AF2
AF3
AF4
LVIDd
LVIDs
LV Diam
LA Diam
RVIDd
RVIDs
RV Diam
RA Diam
IVSd
IVSs
IVS
LV Area
LA Area
RV Area
RA Area
Ao Diam
MPA Diam
LVOT Diam
RVOT Diam
Facial Angle
HrtA

- B-Mode calculation
  - Mean Sac Diam
  - AFI
  - EFW
  - EFW2
  - HC/AC(Campbell)
  - FL/AC
  - FL/BPD
  - AXT
  - CI
  - FL/HC(Hadlock)
  - HC(c)
  - HrtC/TC
  - TCD/AC
  - LVW/HW
  - LVD/RVD
  - LAD/RAD
  - AoD/MPAD
  - LAD/AoD
- B-Mode study
  - AFI
    - AF1
    - AF2
    - AF3
    - AF4
- M-Mode measurement
  - FHR
  - LVIDd
  - LVIDs
  - RVIDd
  - RVIDs
  - IVSd
  - IVSs

Cardiology

- B-Mode measurement
  - LA Diam(2D)
  - LA Major
  - LA Minor

RA Major
RA Minor
LV Major
LV Minor
RV Major
RV Minor
LA Area
RA Area
LV Area(d)
LV Area(s)
RV Area(d)
RV Area(s)
LVIDd(2D)
LVIDs(2D)
LVIDd(Teich-2D)
LVIDs(Teich-2D)
LVIDd(Cube-2D)
LVIDs(Cube-2D)
LVIDd(Gibson-2D)
LVIDs(Gibson-2D)
RVDd(2D)
RVDs(2D)
LVPWd(2D)
LVPWs(2D)
RVAWd(2D)
RVAWs(2D)
IVSd(2D)
IVSs(2D)
Ao Diam(2D)
Ao Arch Diam(2D)
Ao Asc Diam(2D)
Ao Desc Diam(2D)
Ao Isthmus(2D)
Ao st junct(2D)
Ao Sinus Diam(2D)
Duct Art Diam
Pre Ductal
Post Ductal
ACS(2D)
LVOT Diam(2D)
AV Diam
AVA
PV Diam
LPA Diam(2D)
RPA Diam(2D)
MPA Diam(2D)
RVOT Diam(2D)
MV Diam
MVA
MCS(2D)
MV EPSS(2D)
TV Diam
TVA
IVC Diam(Insp)
IVC Diam(Expir)
SVC Diam(Insp)
SVC Diam(Expir)
LCA Diam
RCA Diam
VSD Diam
ASD Diam
PDA Diam
PFO Diam
PEd(2D)
PEs(2D)
Diastole(Teich-2D)
Systole(Teich-2D)
Diastole(Cube-2D)
Systole(Cube-2D)
Diastole(Gibson-2D)
Systole(Gibson-2D)
HR(Teich 2D)
HR(Cube 2D)
HR(Gibson 2D)

- B-Mode calculation
  - LA/Ao(2D)
  - Ao/LA(2D)
- B-Mode study
  - S-P Ellipse
    - LVLd apical(SP Ellipse)
    - LVAd apical(SP Ellipse)
    - LVLs apical(SP Ellipse)
    - LVAs apical(SP Ellipse)
    - HR(SP Ellipse)
  - B-P Ellipse
    - LVIDd(BP Ellipse)
    - LVIDs(BP Ellipse)
    - LVAd sax MV(BP Ellipse)
    - LVAs sax MV(BP Ellipse)
    - LVAd apical(BP Ellipse)
    - LVAs apical(BP Ellipse)
    - HR(BP Ellipse)

Bullet
LVLd apical(Bullet)
LVLs apical(Bullet)
LVAd sax MV(Bullet)
LVAs sax MV(Bullet)
HR(Bullet)
Mod.Simpson
LVLd apical(Simp)
LVLs apical(Simp)
LVAd sax MV(Simp)
LVAs sax MV(Simp)
LVAd sax PM(Simp)
LVAs sax PM(Simp)
HR(Mod Simp)
Simp SP(A2C)
EDV(Simp SP-A2C)
ESV(Simp SP-A2C)
HR(Simp SP A2C)
Simp SP(A4C)
EDV(Simp SP-A4C)
ESV(Simp SP-A4C)
HR(Simp SP A4C)
Simpson BP
EDV(Simp BP-A2C)
ESV(Simp BP-A2C)
EDV(Simp BP-A4C)
ESV(Simp BP-A4C)
HR(Simp BP)
Cube(2D)
Diastole(Cube-2D)
Systole(Cube-2D)
IVSd(Cube-2D)
LVIDd(Cube-2D)
LVPWd(Cube-2D)
IVSs(Cube-2D)
LVIDs(Cube-2D)
LVPWs(Cube-2D)
HR(Cube 2D)
Teichholz(2D)
Diastole(Teich-2D)
Systole(Teich-2D)
IVSd(Teich-2D)
LVIDd(Teich-2D)
LVPWd(Teich-2D)
IVSs(Teich-2D)
LVIDs(Teich-2D)
LVPWs(Teich-2D)
HR(Teich 2D)
Gibson(2D)
Diastole(Gibson-2D)
Systole(Gibson-2D)
IVSd(Gibson-2D)
LVIDd(Gibson-2D)
LVPWd(Gibson-2D)
IVSs(Gibson-2D)
LVIDs(Gibson-2D)
LVPWs(Gibson-2D)
HR(Gibson 2D)
LA Vol(A-L)
LA Diam(LA Vol A-L)
LAA(A2C)
LAA(A4C)
LA Vol(Simp)
LA Vol(A2C)
LA Vol(A4C)
RA Vol(Simp)
RA Vol(A4C)
LV Mass(Cube-2D)
IVSd(LV Mass Cube-2D)
LVIDd(LV Mass Cube-2D)
LVPWd(LV Mass Cube-2D)
LV Mass(T-E)
LVAd sax Epi(LV Mass T-E)
LVAd sax Endo(LV Mass T-E)
a
d
LV Mass(A-L)
LVAd sax Epi(LV Mass A-L)
LVAd sax Endo(LV Mass A-L)
LVLd apical(LV Mass A-L)

- M-Mode measurement

LA Diam(M)
LVIDd(M)
LVIDs(M)
LVIDd(Teich-M)
LVIDs(Teich-M)
LVIDd(Cube-M)
LVIDs(Cube-M)
LVIDd(Gibson-M)
LVIDs(Gibson-M)
RVDd(M)
RVDs(M)

LVPWd(M)
LVPWs(M)
RVAWd(M)
RVAWs(M)
IVSd(M)
IVSs(M)
Ao Diam(M)
Ao Arch Diam(M)
Ao Asc Diam(M)
Ao Desc Diam(M)
Ao Isthmus(M)
Ao st junct(M)
Ao Sinus Diam(M)
LVOT Diam(M)
ACS(M)
LPA Diam(M)
RPA Diam(M)
MPA Diam(M)
RVOT Diam(M)
MV E Amp
MV A Amp
MV E-F Slope
MV D-E Slope
MV DE
MCS(M)
MV EPSS(M)
PEd(M)
PEs(M)
LVPEP(M)
LVET(M)
RVPEP(M)
RVET(M)
Diastole(Teich-M)
Systole(Teich-M)
Diastole(Cube-M)
Systole(Cube-M)
Diastole(Gibson-M)
Systole(Gibson-M)
HR(Teich M)
HR(Cube M)
HR(Gibson M)
HR

- M-Mode calculation
  - LA/Ao(M)
  - Ao/LA(M)
- M-Mode study
  - LV Tei Index(M)
    - MV C-O dur(M)
    - LVET(LV Tei Index-M)
  - Cube(M)
    - Diastole(Cube-M)
    - Systole(Cube-M)
    - IVSd(Cube-M)
    - LVIDd(Cube-M)
    - LVPWd(Cube-M)
    - IVSs(Cube-M)
    - LVIDs(Cube-M)
    - LVPWs(Cube-M)
    - HR(Cube M)
  - Teichholz(M)
    - Diastole(Teich-M)
    - Systole(Teich-M)
    - IVSd(Teich-M)
    - LVIDd(Teich-M)
    - LVPWd(Teich-M)
    - IVSs(Teich-M)
    - LVIDs(Teich-M)
    - LVPWs(Teich-M)
    - HR(Teich M)
  - Gibson(M)
    - Diastole(Gibson-M)
    - Systole(Gibson-M)
    - IVSd(Gibson-M)
    - LVIDd(Gibson-M)
    - LVPWd(Gibson-M)
    - IVSs(Gibson-M)
    - LVIDs(Gibson-M)
    - LVPWs(Gibson-M)
    - HR(Gibson M)
  - LV Mass(Cube-M)
    - IVSd(LV Mass Cube-M)
    - LVIDd(LV Mass Cube-M)
    - LVPWd(LV Mass Cube-M)

Vascular

- B-Mode calculation
  - Stenosis D
  - Stenosis A

Gynecology

- B-Mode measurement
  - UT L
  - UT H
  - UT W

Cervix L
Cervix H
Cervix W
Endo
Ovary L
Ovary H
Ovary W
Follicle1 L
Follicle1 W
Follicle1 H
Follicle2 L
Follicle2 W
Follicle2 H
Follicle3 L
Follicle3 W
Follicle3 H
Follicle4 L
Follicle4 W
Follicle4 H
Follicle5 L
Follicle5 W
Follicle5 H
Follicle6 L
Follicle6 W
Follicle6 H
Follicle7 L
Follicle7 W
Follicle7 H
Follicle8 L
Follicle8 W
Follicle8 H
Follicle9 L
Follicle9 W
Follicle9 H
Follicle10 L
Follicle10 W
Follicle10 H
Follicle11 L
Follicle11 W
Follicle11 H
Follicle12 L
Follicle12 W
Follicle12 H
Follicle13 L
Follicle13 W
Follicle13 H
Follicle14 L
Follicle14 W
Follicle14 H
Follicle15 L
Follicle15 W
Follicle15 H
Follicle16 L
Follicle16 W
Follicle16 H

- B-Mode calculation
  - Ovary Vol
  - UT Vol
  - UT SUM
  - UT-L/CX-L
  - Follicle1
  - Follicle2
  - Follicle3
  - Follicle4
  - Follicle5
  - Follicle6
  - Follicle7
  - Follicle8
  - Follicle9
  - Follicle10
  - Follicle11
  - Follicle12
  - Follicle13
  - Follicle14
  - Follicle15
  - Follicle16
- B-Mode study
  - Uterus
    - UT L
    - UT H
    - UT W
    - Endo
  - Uterine Cervix
    - Cervix L
    - Cervix H
    - Cervix W
  - Ovary
    - Ovary L
    - Ovary W
    - Ovary H
  - Follicle1
    - Follicle1 L

Follicle1 W
Follicle1 H
Follicle2
Follicle2 L
Follicle2 W
Follicle2 H
Follicle3
Follicle3 L
Follicle3 W
Follicle3 H
Follicle4
Follicle4 L
Follicle4 W
Follicle4 H
Follicle5
Follicle5 L
Follicle5 W
Follicle5 H
Follicle6
Follicle6 L
Follicle6 W
Follicle6 H
Follicle7
Follicle7 L
Follicle7 W
Follicle7 H
Follicle8
Follicle8 L
Follicle8 W
Follicle8 H
Follicle9
Follicle9 L
Follicle9 W
Follicle9 H
Follicle10
Follicle10 L
Follicle10 W
Follicle10 H
Follicle11
Follicle11 L
Follicle11 W
Follicle11 H
Follicle12
Follicle12 L
Follicle12 W
Follicle12 H
Follicle13
Follicle13 L
Follicle13 W
Follicle13 H
Follicle14
Follicle14 L
Follicle14 W
Follicle14 H
Follicle15
Follicle15 L
Follicle15 W
Follicle15 H
Follicle16
Follicle16 L
Follicle16 W
Follicle16 H

Urology

- B-Mode measurement

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
Testicular L
Testicular H
Testicular W
Ureter
Pre-BL L
Pre-BL H
Pre-BL W
Post-BL L
Post-BL H
Post-BL W
Prostate Mass1 d1
Prostate Mass1 d2
Prostate Mass1 d3
Prostate Mass2 d1
Prostate Mass2 d2

Prostate Mass2 d3
Prostate Mass3 d1
Prostate Mass3 d2
Prostate Mass3 d3
Testicular Mass1 d1
Testicular Mass1 d2
Testicular Mass1 d3
Testicular Mass2 d1
Testicular Mass2 d2
Testicular Mass2 d3
Testicular Mass3 d1
Testicular Mass3 d2
Testicular Mass3 d3

- B-Mode calculation
  - Renal Vol
  - Prostate Vol
  - Testicular Vol
  - Pre-BL Vol
  - Post-BL Vol
  - Mictur.Vol
- B-Mode study
  - Kidney
    - Renal L
    - Renal H
    - Renal W
    - Cortex
  - Adrenal
    - Adrenal L
    - Adrenal W
    - Adrenal H
  - Prostate
    - Prostate W
    - Prostate H
    - Prostate L
  - Seminal Vesicle
    - Seminal L
    - Seminal W
    - Seminal H
  - Testis
    - Testicular L
    - Testicular W
    - Testicular H
  - Bladder
    - Pre-BL L
    - Pre-BL W
    - Pre-BL H
    - Post-BL L
    - Post-BL W
    - Post-BL H
  - Prostate Mass1
    - Prostate Mass1 d1
    - Prostate Mass1 d2
    - Prostate Mass1 d3
  - Prostate Mass2
    - Prostate Mass2 d1
    - Prostate Mass2 d2
    - Prostate Mass2 d3
  - Prostate Mass3
    - Prostate Mass3 d1
    - Prostate Mass3 d2
    - Prostate Mass3 d3
  - Testicular Mass1
    - Testicular Mass1 d1
    - Testicular Mass1 d2
    - Testicular Mass1 d3
  - Testicular Mass2
    - Testicular Mass2 d1
    - Testicular Mass2 d2
    - Testicular Mass2 d3
  - Testicular Mass3
    - Testicular Mass3 d1
    - Testicular Mass3 d2
    - Testicular Mass3 d3

Small Parts

- B-Mode measurement
  - Thyroid L
  - Thyroid H
  - Thyroid W
  - Isthmus H
  - Testicular L
  - Testicular H
  - Testicular W
  - Breast Mass1 d1
  - Breast Mass1 d2
  - Breast Mass1 d3
  - Breast Mass2 d1
  - Breast Mass2 d2
  - Breast Mass2 d3
  - Breast Mass3 d1
  - Breast Mass3 d2
  - Breast Mass3 d3
  - Thyroid Mass1 d1

Thyroid Mass1 d2
Thyroid Mass1 d3
Thyroid Mass2 d1
Thyroid Mass2 d2
Thyroid Mass2 d3
Thyroid Mass3 d1
Thyroid Mass3 d2
Thyroid Mass3 d3

- B-Mode calculation
  Thyroid Vol
- B-Mode study
  Thyroid
    Thyroid L
    Thyroid W
    Thyroid H
  Testis
    Testicular L
    Testicular W
    Testicular H
  Breast Mass1
    Breast Mass1 d1
    Breast Mass1 d2
    Breast Mass1 d3
  Breast Mass2
    Breast Mass2 d1
    Breast Mass2 d2
    Breast Mass2 d3
  Breast Mass3
    Breast Mass3 d1
    Breast Mass3 d2
    Breast Mass3 d3
  Thyroid Mass1
    Thyroid Mass1 d1
    Thyroid Mass1 d2
    Thyroid Mass1 d3
  Thyroid Mass2
    Thyroid Mass2 d1
    Thyroid Mass2 d2
    Thyroid Mass2 d3
  Thyroid Mass3
    Thyroid Mass3 d1
    Thyroid Mass3 d2
    Thyroid Mass3 d3

Orthopedics

- B-Mode measurement
  HIP
    HIP-Graf
    d/D

Auto Calculation

PS
ED
MD
PPG
TAMAX
Vol Flow(TAMAX)
TAMEAN
Vol Flow(TAMEAN)
DT
MPG
MMPG
VTI
AT
S/D
D/S
PI
RI
PV
HR

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

- EN 60601-1 and IEC 60601-1
- EN 60601-1-2 and IEC 60601-1-2
- EN 60601-2-37 and IEC60601-2-37
- EN ISO 14971 and ISO 14971
- EN ISO10993-1 and ISO10993-1
- EN 62366 and IEC 62366

- EN 62304 and IEC 62304
- EN ISO 17664
- EN 1041
- EN 15223-1
- IEC 60878

DP-10 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.

CE Declaration