

System Description

The DP-30/DP-30T 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, transcranial, musculo-skeletal, cardiac, vascular, urology, orthopedics and nerve exams.
- FDA Region: It is intended for use in fetal, abdominal, pediatric, small organ (breast, thyroid, testes), neonatal cephalic, adult cephalic, trans-rectal, trans-vaginal, musculo-skeletal (conventional, superficial), cardiac (adult, pediatric), peripheral vascular and urology exams.

General Specification

Dimensions and Weight

- Depth: 161mm (6.34 inch)
- Width: 290mm (11.42 inch)
- Height: 354mm (13.94 inch)
- Net Weight: 5.3kg (dual-probe sockets, 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: > 100 min

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 slant scanning and trapezoid

Probe Model

> 35C50EA	Convex
> 35C50EB	Convex
> 35C20EA	Convex
> 65C15EA	Micro-Convex
> 65EC10EA	Endocavity Micro-Convex
> 75L38EA	Linear
> 75L53EA	Linear
> 10L24EA	Linear

NOTE: Probe 35C50EB is not sold in FDA region.

Available Needle-guided Bracket for Probe:

> 35C50EA/35C50EB	NGB-001
> 75L38EA	NGB-002
> 35C20EA	NGB-003
> 65EC10EA	NGB-004
> 65C15EA	NGB-005
> 75L53EA	NGB-007
> 10L24EA	NGB-016

System Configuration

Standard Configuration

- Display
 - 12.1-inch LCD, 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
- Phase Shift harmonic imaging
- Trapezoid imaging
- Slant scanning for linear probes (2D Steer)
- iTouch™ (Auto Image Optimization)
- ExFOV Imaging (Extended FOV for Convex Probe)
- iStation™
- 320G integrated hard disk
- I/O Interfaces
 - Transducer port: 2 (1 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
- Emergency
- Nerve

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
- 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™ (Speckle Suppression Imaging)
- DICOM basic
 - Task management
 - DICOM storage
 - DICOM print
 - DICOM storage commitment
 - DICOM media storage (including DICOM DIR)
- DICOM Worklist
- Keys for option functions
- Battery Pack: Li-ion LI23I002A
- Dual-probe socket
- Hard disk (configured in factory)
- External USB DVD-RW: SE-S224

- 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
- Carrying bag
- Dust-proof cover
- Probes
- Needle-guided brackets

Peripherals Supported

- Black and White Video Printer
 - SONY UP-897MD Analog
 - MITSUBISHI P93W-Z Analog
 - SONY UP-D897 Digital
- Color Video Printer
 - SONY UP-20 Analog
 - MITSUBISHI CP910E Analog
- Graph / text printer
 - HP Color Laserjet CM1015 MFP
 - HP LaserJet p1007
 - HP deskjet 1280
 - HP officejet 6000
 - HP OfficeJet J3600
 - HP LaserJet 1020 plus

Exam Mode

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

- Superficial
- Orthopediac
- Cardiac
- 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 (Extended FOV for Convex Probe)
- M -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
 - Quad-split: 4B

Imaging Features

- Multi-frequency probes for 2D imaging modes
- iClear™ (Speckle Suppression Imaging)
- iTouch™ (B/M): Auto Optimization
- TSI (Tissue Specific Imaging)
- iZoom™ (Full Screen View)
- Spot Zoom and Pan Zoom

B Mode

- Display Depth
 - Minimum: 0.9 cm
 - Maximum: 37.8 cm
- Frame rate (Max.):
 - B mode: 400 fps
- Adjustable focus number: 4
- Adjustable focus positions (Max.): 16
- Magnification factor:
 - Pan Zoom: 100%-1000%, 10 steps
 - Spot Zoom: continuously adjustable
- iZoom: instant full screen view, two level.
- System dynamic range: 30~220dB, 39steps
- Frequency: 2.0~12.0MHz (transducer dependant), 6 steps
- Gain: 0~100dB, 51steps
- TGC: 8
- Gray map: 1~8

- Colorize map: off, 1~16
- 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%, 32steps
- Smooth: 1~4
- TSI: General, Fat, Fluid, Muscle
- B Steer: -6°, 0°, 6°, linear transducer only
- HScale: on/off
- Lithotriety: 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

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

- 320G integrated hard disk
- External DVD-R/W (Optional)
- 2 USB ports
- Image archive on hard disk, 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
 - BMP: >130000
 - FRM: >98000
- iStorage (Advanced Network Storage)
- DICOM:
 - DICOM Basic
 - Task management
 - DICOM storage
 - DICOM print
 - DICOM storage commitment
 - DICOM media storage (including DICOM DIR)
 - DICOM Worklist

- 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)

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&Circ (Trace/ Ellipse/ Spline/ Cross)

- Post-BL H (Posterior-Bladder Height)
- Post-BL W (Posterior-Bladder Width)
- Ureter
- 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)
- HrtA (Heart area)
- Facial Angle

- 2D-mode Calculation
 - Mean Sac Diam (Mean Gestational Sac Diameter)
 - AFI
 - EFW (Estimated Fetal Weight)
 - 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

Items	GA	FG
EFW:	2	5
EFW2:	2	5
GS:	4	4
CRL:	10	6
BPD:	12	12
HC:	7	7
AC:	8	9
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
Umb A RI:	/	JUM
Umb A PI:	/	JSUM
MCA RI:	/	JSUM
MCA PI:	/	JSUM

- Fetal Weight Formulae: 11

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)
- HR (Heart Rate)
- Diastole
- 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)
- Diastole
- Systole
- M-mode Calculation
 - LA/Ao (Left Atrium diameter/Aorta diameter)
 - Ao/LA (Aorta Diameter/Left Atrium Diameter)
- 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 Calculation
 - Stenosis D (Stenosis Diameter)
 - Stenosis A (Stenosis Area)

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
 - Follicle 1~16
- 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
 - Ureter
 - Pre-BL L
 - Pre-BL H
 - Pre-BL W
 - Post-BL L
 - Post-BL H
 - Post-BL W
 - Prostate Mass1 d1~d3
 - Prostate Mass2 d1~d3
 - Prostate Mass3 d1~d3
 - Testis Mass1 d1~d3
 - Testis Mass2 d1~d3
 - Testis Mass3 d1~d3
 - 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
 - Prostate Mass1~3
 - Testis Mass1~3
- 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)
 - Breast Mass1 d1-d3
 - Breast Mass2 d1-d3
 - Breast Mass3 d1-d3
 - Thyroid Mass1 d1-d3
 - Thyroid Mass2 d1-d3
 - Thyroid Mass3 d1-d3
 - 2D-mode Calculation
 - Thyroid Vol
 - 2D-mode Study
 - Thyroid
 - Testis
 - Breast Mass1-3
 - Thyroid Mass1-3
- Orthopedics**
- 2D-mode Measure
 - HIP
 - HIP-Graf
 - d/D
- EM (Emergency)**
- 2D-mode Measure
 - Renal L
 - Renal H
 - Renal W
 - CBD
 - Portal V Diam (Portal Vein Diameter)
 - CHD (Common hepatic duct)
 - GB wall th (Gallbladder wall thickness)
 - Aorta Diam (Aorta Diameter)
 - Aorta Bif
 - Ureter
 - Pre-BL L
 - Pre-BL H
 - Pre-BL W
 - Post-BL L
 - Post-BL H
 - Post-BL W
 - GS (Gestational Sac Diameter)
 - YS (Yolk Sac)
 - CRL (Crown Rump Length)
 - NT (Nuchal Translucency)
 - BPD (Biparietal Diameter)
 - UT L
 - UT H
 - UT W

- Endo
- Ovary L
- Ovary H
- Ovary W
- 2D-mode Calculation
 - Renal Vol
 - Pre-BL Vol
 - Post-BL Vol
 - Mictur.Vol
 - Ovary Vol
 - UT Vol
 - Uterus Body
- 2D-mode Study
 - Uterus
 - Ovary
 - Kidney
 - Bladder
- M-mode Measure
 - FHR (Fetal Heart Rate)

- 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 980
- IEC 60878

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

CE Declaration

DP-30/DP-30T 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.

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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-30/DP-30T Digital Ultrasonic Diagnostic Imaging System.