

MSLPU46

Best choice for B/W Ultrasound System

System Overview

Clinical Applications

Abdomen
Obstetrics
Gynecology
Urology
Cardiology
Small Parts
Vascular

Features

Outstanding portable model, compact and streamlined design
12.1-inch high resolution medical LED monitor with 90 degrees rotation
Two activated transducer connectors
Auto-freezing function
Imaging function: B zoom
One key full screen function
Abundant measurement software packages
Auto-generation BMP format report
Support USB import and export
Laser/Ink Jet printer module optional
Optional built-in lithium battery
Optional trolley and suitcase

Imaging Modes

B, 2B, B/M, M, 4B

Advanced imaging Technology

Exclusive Employ Double Wave Form Imaging Technology
Speckle Noise Reduction Technology
Tissue-specific Imaging Technology
Tissue Harmonics Imaging Technology

Physical Specification

Dimension & weight

Main Unit Dimensions:
155mm×360mm×370mm; 6.0kg
Package Dimensions:
460mm×370mm×565mm ; 11.5kg

Probe Parameters

Convex Array Probe UT-C-3.5
Central Frequency: 3.5MHz
2.0MHz, 3.0MHz, 3.5MHz, 5.0MHz
THI4.0MHz,
Max. Scanning Depth: 295mm
Abdomen/Obstetric/Gynecology/Urology

Linear Array Probe UT-L-7.5
Central Frequency: 7.5MHz
5.0MHz, 7.5MHz, 10.0MHz, 12.0MHz
THI10.0MHz
Max. Scanning Depth: 110mm
Small Parts/Vascular

Transvaginal Probe UT-C-6.5
Central Frequency: 6.5MHz
5.0MHz, 6.0MHz, 7.5MHz,
THI8.0MHz,THI9.0MHz
Max. Scanning Depth: 110mm

Transvaginal

Micro-convex Probe UT-C-3.5-R20
Central Frequency: 3.5MHz
2.0MHz, 3.0MHz, 3.5MHz, 5.0MHz
H4.0MHz,
Max. Scanning Depth: 150mm
Cardiac/Generic/Pediatric

Probe Port & Holder

Probe Ports: 2 Activated Ports
Probe Holders: 2 Probe Holders

Electrical power

Input Voltage: AC 100V ~240V
Frequency: 50Hz/60Hz
Input power: 100VA
Fuse: F3.15AL250V (φ5×20 mm)

Operating Environment

Ambient Temperature: +5°C ~+ 40°C
Relative Humidity: 25% ~ 80%
Atmospheric Pressure: 70kpa ~106kpa

Transportation & Storage

Ambient Temperature: -20°C ~ +55°C
Relative Humidity: 10% ~ 95%
Atmospheric Pressure: 50kpa-106kpa

Software Specification

System Setup

Brightness : 0-15
Contrast: 0-15
Gamma Corr.: 0-15
ScreenSaver: Adjustable
Auto Freeze: Adjustable
Horizontal Scale: Adjustable
Vertical Scale: Adjustable
Gray bar: Adjustable

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FSI:	Adjustable	Organ	Angle
Language:	Chinese, English,Spanish	Cardiology	Distance1, Distance2, Angle Calculate
Date/Time:	Adjustable		Len.Ratio
Hospital:	Adjustable	Body Mark	Distance1,Distance2, Len.Ratio Calculate
Factory Reset:	Adjustable	Abdomen: 10 Adjustable	Area.Ratio
		Gynecology: 4 Adjustable	Area 1, Area 2, Area Ratio Calculate
Parameters		Obstetrics: 22 Adjustable	M Meas.
Gain:	0-100	Urology: 10 Adjustable	Distance,Time,Heart rate, EF Slope
FPS:	24Hz	Organ: 24 Adjustable	
M speed:	10-63	Cardiology: 13 Adjustable	Special Meas.
Frame Corr.	0-255		Abdomen
Smooth:	0-47	File Mgmt	Liver
TSI:	0-6	Memory: 4G	CHD
Dyn.Range :	30-150dB	USB: 2+1	PV
Noise Restrain:	0-31	Cine loops: 1024frames	GB : GBL,GBH,GBW Thick,CBD
Gray Scale:	0-15	Images: at least 500	Kidney : Lt Kidney L, Lt K.Thick
Focus No.:	4	Save Image: save to U disk	Lt K.W, Lt R.C Thick
Focus position:	Adjustable	save to TF card	Lt AG L , Lt AG H, Lt AG W
Scan Angle:	30-100	save to local	Rt Kidney L, Rt K.Thick
Pseudo C.:	0-6	Browse Image: U disk	Rt K.W, Rt R.C Thick
S Power:	55-100	TF card	Rt AG L ,Rt AG H, Rt AG W
THI:	Adjustable	local	
Reverse:	Adjustable		Spleen
Mirror:	Adjustable		Pancreas: PD, PH, PB, PT
B/W Invert:	Adjustable	Measurements	AA , AO
Central Line:	Adjustable	Generic	Lliac Artery
Biopsy:	0° ,30° ,45° ,60°	Distance	
Save as custom:	Adjustable	Area & Cir	
		Depth	Gynecology
		Volume	Uterus: Uterus L,Uterus H, Uterus W
		3 Dist.: Distance1,Distance2,Distance3	En Thick
		Volume Calculate	Cervix: CX L, CX H, CX W
		Ellipse Dist.: Ellipse Area,Distance	Ovary: Lt Ov L, Lt Ov H
		Volume Calculate	Rt Ov L, Rt Ov H
App.Type		Ellipse	
Abdomen			
Gynecology			
Obstetrics			
Urology			

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Follicle: Follicle 1
Follicle 2
Follicle 3
Follicle 4
Follicle 5
Follicle 6
Follicle 7
Follicle 8

Bladder: Full Urine BL L
Full Urine BL H
Full Urine BL W
Empty Urine BL L
Empty Urine BL H
Empty Urine BLW

Prostate : Pro L
Pro H
Pro W
Pro Mass

SV: Lt SV L
Lt SV H
Lt SV W
Rt SV L
Rt SV H
Rt SV W

Testicle : Lt Testicle L
Lt Testicle H
Lt Testicle W
Rt Testicle L
Rt Testicle H
Rt Testicle W
Ur Diam

Organ

Lt Thyroid L
Lt Thyroid H
Lt Thyroid W
Lt Thyroid Mass
Rt Thyroid L
Rt Thyroid H
Rt Thyroid W
Rt Thyroid Mass
Isthmus W
Lt Testicle L
Lt Testicle H
Lt Testicle W
Rt Testicle L
Rt Testicle H
Rt Testicle W
Lt Breast Mass
Rt Breast Mass

Cardiology

Cardiology(2D): LA Major
RA Major
LV Major
RV Major
AV Diam
PV Diam
MV Diam
TV Diam
AV A
TV A

Cardiology(M): LA Diam
LVIDd
LVIDs
RVDD
RVDs
LVPWd
LVPWd
LVPWs
RVAWd
RVAWS
AoDiam
AoAscDiam
Ao Isyhmus
MV E Amp
MV A Amp

Distance
Time
Heart Rate
EF Slope

Obstetrics (Q KEY)

Tokyo: BPD
FL
CRL
AC
GS
TIBIA
ULNA
CER
NT

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NF	AFI4	YS
PL	AFI Calculate	LMP(YY/MM/DD)
AF		Average EDD
AFI: AFI1	YS	Average EFW
AFI2	EFW: BPD,FL,AC,HC	
AFI3	EFW Calculate	JSUN 2001: BPD
AFI4	BPD,FL,AC	FL
AFI Calculate	EFW Calculate	CRL
YS	FL,AC,HC	AC
EFW: BPD	EFW Calculate	TIBIA
APTD	FL,AC	ULNA
TTD	EFW Calculate	CER
FL	LMP(YY/MM/DD)	NT
LMP(YY/MM/DD)	Average EDD	NF
Average EDD	Average EFW	PL
Average EFW		AF
Hadlock: BPD	China: BPD	AFI: AFI1
FL	FL	AFI2
CRL	HC	AFI3
HC	AC	AFI4
AC	TIBIA	AFI Calculate
TIBIA	ULNA	YS
ULNA	CER	LMP(YY/MM/DD)
CER	NT	Average EDD
NT	NF	Average EFW
NF	PL	
PL	AF	TODA196: BPD
AF	AFI: AFI1	FL
AFI: AFI1	AFI2	CRL
AFI2	AFI3	AC
AFI3	AFI4	TIBIA
	AFI Calculate	ULNA

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CER	AFI Calculate	Coupling Gel (0.25L)
NT		
NF	Shepard: BPD, AC	Optional Accessories
PL	EFW Calculate	Convex Array Probe UT-C-3.5
AF		Linear Array Probe UT-L-7.5
AFI: AFI1	System Inputs & Outputs	Transvaginal Probe UT-C-6.5
AFI2	USB(2) :	Micro-convex Probe UT-C-3.5-R20
AFI3	Connect to Devices that Abide by the	Micro-convex Probe UT-C-5.0-R20
AFI4	USB Protocol	USB disk
AFI Calculate	Video:	Suitcase
YS	Output video signals,used to connect	Lithium battery
LMP(YY/MM/DD)	video, printers,ultrasound workstation, ect;	Pedal Switch
Average EDD	VGA Port:	Biopsy
Average EFW	Serial port;	Trolley
HAD84: BPD	Ethernet Port:	Certificates
HC	Network ports ,used to connect the network	Quality Standards
AC	or other DICOM protocol equipment;	ISO9001
TIBIA	Equipotential:	CMD
ULNA	Balance the protective grounded potential;	ISO13485
CER	DC IN:	CE
NT	DC-19V	
NF	Power Switch:	
PL	Turn on/off the system power	CE Declaration
AF		ZONCARE-i50 has been assessed with
AFI: AFI1	Standard Package	respect to the conformity assessment
AFI2	Main Unit	procedure described in Article 11.3.a and
AFI3	One probe as standard	Annex II excluding section 4 (Module H) of
AFI4	Power cord/grounding cable	Council Directive 93/42/EEC on Medical
	Fuse (2)	Devices, as amended, and found to comply
	User's Manual	(Notified Body No.:2460)