

DP-50 Portable B/W System

Digital Ultrasonic Diagnostic Imaging System

Master within Reach

As a stepping stone into the world of ultrasound, B/W ultrasound today need to bring more advances to general practices to improve their patient's benefits. Being a world-class medical equipment provider, Mindray's deep understandings of needs from customers make our system DP-50 more suitable for your daily diagnosis in less time, while maintain your budget needs.

System Specifications:

Net Weight: 16.98 lb (7.7 kg)

Dimensions: 7.48" L x 16.34" W x 14.88" H (19.0 cm L x 41.5 cm W x 37.8 cm H)

Display: 15" diagonal LCD (NTSC or PAL)

Display Language: English, French, German, Italian, Portuguese, Russian, Spanish, Polish, Czech, Turkish, Finnish, Danish, Icelandic, Norwegian, Swedish and Simplified Chinese.

Power: System operates via rechargeable lithium-ion battery or AC power

Display Modes and Imaging Processing:

Broadband, multi-frequency imaging:

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

Image processing:

- Phase Shift Harmonic Imaging
- Tissue Harmonic Imaging
- iBeam™ Spatial Compound Imaging
- iClear™ Adaptive Speckle Suppression Imaging
- iTouch™ Auto Optimization
- iZoom™ Automatically expand the image to full screen
- Trapezoid imaging
- Slant scanning for linear probes (2D Steer)

User Interface:

- Alphanumeric QWERTY keyboard with Backlight
- Multi-function Knobs
- Trackball for easy operation and navigation
- Ergonomic Soft Key Operations
- 8-Segment TGC
- User Defined Blank keys: shortcut for easy access to system menus and active parameter adjustment



Application:

Dedicated Software Package:

Abdominal, Obstetrical, Gynecological, Cardiac, Small parts, Urological, Vascular (including IMT Study), Nerve and Emergency package

Intelligent Workflow/Storage/Review:

iStation™

- Intelligent patient data management platform with integrated search engine for patient data
- Intelligent data backup/ restore
- 320G integrated hard disk for Storage

Connectivity:

DICOM basic

- Task management
 - DICOM storage
 - DICOM print
 - DICOM storage commitment
 - DICOM media storage (including DICOM DIR)
- DICOM Worklist**

Standard Configuration:

- 15-inch LCD monitor
- Control Panel
- Handle
- 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

Options

- iClear™
- IMT (Auto Calculation of Intima-Media Thickness)
- DICOM basic
- DICOM Worklist
- Rechargeable battery
- External USB DVD-RW
- Footswitch:
- Mobile trolley: UMT-50
- Carrying Case
- Needle-guided brackets

Transducers	Applications	Bandwidth	Depths	Biopsy Kit
35C50EA 	Abdominal, Gynecological, Obstetrical, Urology, Emergency	2-5 MHz R50mm broadband Convex array	37cm	Available
75L38EA 	Thyroid, Breast, Small Part, Vascular, MSK, Nerve, Superficial, Orthopedic.	5-10 MHz L38mm broadband Linear array	29.6cm	Available
75L53EA 	Thyroid, Breast, Small Part, Vascular, MSK, Nerve, Superficial, Orthopedic.	5-10 MHz L53mm broadband Linear array	29.6cm	Available
10L24EA 	Thyroid, Breast, Small Part, Vascular, MSK, Nerve, Superficial, Orthopedic.	8-14 MHz L24mm broadband Linear array	29.6cm	Available
65C15EA 	Pediatric Abdominal, Cardiology.	5.0-8.5 MHz R15 mm broadband Micro-Convex array	29.6cm	Available
65EC10EA 	Gynecological, Obstetrical, Prostate.	5.0-8.5 MHz R10mm broadband Endocavity Micro-Convex array	29.6cm	Available
65EB10EA 	Prostate.	5.0-8.5 MHz R10mm broadband Bi-plane (Convex & convex array)	29.6cm	Available