



## **Portable Ultrasound System MD-PUSG-1000**

## Portable Ultrasound System MD-PUSG-1000

Portable Ultrasound System MD-PUSG-1000 features advanced imaging technologies like SRI, TDI, THI, and FHI. It includes a 21.5-inch LED medicinal monitor and a responsive 13.3-inch touch screen. Utilizes ADC and beam reconstruction probe technology for faster response times. It can perform real-time 3D/4D imaging. The system provides a versatile platform with adjustable height, rotation, and mobility.

### Features:

- New generation technology
- Superior image quality
- Auto IMT measurement
- Puncture enhancement function
- Full digital beam synthesis
- New technology probes
- Supports multiple languages
- On-the-spot upgrade function
- Simple and efficient workflow
- Easy-to-use interface

### Optional accessories:

- 3.5MHz Convex probe: \$ 1500
- 7.5MHz Linear probe: \$ 1500
- 6.5MHz Trans-vaginal probe: \$ 1500
- 3.0MHz Phased-array probe: \$ 1500

- 6.5MHz Rectal probe: \$ 1950
- 5.0MHz Micro-convex probe: \$ 1500
- 5.0MHz High-frequency phased-array probe: \$ 2070
- 4D Volume probe: \$ 3670

## **Applications:**

Our Portable Ultrasound System is used in hospitals and clinics for comprehensive diagnostic imaging across various medical specialties.

## Specifications :

|   |  |
|---|--|
| <b>Display</b>                          | 21.5inch LED medicinal monitor + 13.3 inch touch screen  |
| <b>Platform</b>                         | Lifting and rotating, adjustable height, movable rotation  |
| <b>Spectrum Envelope Function</b>       | Real-time, manual, etc. optional modes   |
| <b>Auto IMT Measurement</b>             | Automatic angle optimization   |
| <b>Puncture Enhancement</b>             | iNeedle puncture enhancements, built-in ultrasound teaching software   |
| <b>ST-U Technology Platform</b>         | CPU + GPU dual-core processing architecture  |
| <b>Probe Technology</b>                 | ADC + beam reconstruction, 10x faster response   |
| <b>Measurement Packages</b>             | Rich package including PDI, PW, CW, 2D, 3D, 4D, TDI, Auto IMT/NT, Elastography, Puncture enhancement, Panoramic, Trapezoid Imaging, Color M, Anatomical M mode |
| <b>Operating System</b>                 | Windows  |
| <b>Physical Clipboard</b>               | Save and manage images directly on screen  |
| <b>System Upgrade</b>                   | On-the-spot upgrade function   |
| <b>Presupposition</b>                   | Preset inspection conditions for optimal image   |
| <b>Probe Interfaces</b>                 | 4  |
| <b>Fundamental Frequencies (Probes)</b> | Various frequencies for different probes   |
| <b>Harmonic Frequencies (Probes)</b>    | Harmonic frequencies specified for each probe type   |
| <b>Gain</b>                             | 0 to 100, Step 2 adjustable  |
| <b>TGC (Time Gain Compensation)</b>     | 8 segment adjustable   |
| <b>Maximum Focus Points</b>             | ?7, movable throughout the process   |
| <b>Speckle Reduction</b>                | 0 to 5, 5 levels   |
| <b>Space Synthesis</b>                  | 0 to 2, 2 levels (Liner probe: 3 levels, cardiac probe: 0)   |
| <b>Dynamic Range</b>                    | 30 to 180, 35 levels, step 5 adjustable  |
| <b>Line Density</b>                     | Low, middle, high, 3 levels  |
| <b>Frame Correlation</b>                | 0 to 4, 4 levels   |
| <b>Noise Reduction</b>                  | 0 to 5, 5 levels   |
| <b>Edge Enhancement</b>                 | 0 to 5, 5 levels   |
| <b>Sound Power</b>                      | 2 to 10, 9 levels  |
| <b>Additional Imaging Modes</b>         | Free hand 3D, Real-time 3D/4D, Panoramic Imaging, Deflection Imaging, Trapezoidal Imaging  |

|                                      |   |
|--------------------------------------|---|
| <b>Advanced Imaging Features</b>     | Speckle Reduce Imaging (SRI), Fusion Harmonic Imaging (FHI), Tissue Doppler Imaging (TDI), Strain Rate Imaging (SRI), Tissue Harmonic Imaging (THI)     |
| <b>Measurement Software Packages</b> | Advanced measurement, report, and case management software packages   |
| <b>Specialized Functions</b>         | Carotid artery intima measurement thickness (IMT), Automatic spectral envelope measurement, Full digital transmission and reception of beam synthesizer |
| <b>Power Consumption</b>             | 350W  |
| <b>Power Supply</b>                  | 110 to 240V   |
| <b>Dimension</b>                     | 607 × 976 × 1458 mm   |
| <b>Packaging Dimension</b>           | 1260 × 720 × 1420 mm  |
| <b>Weight</b>                        | 89 Kg   |
| <b>Packaging Weight</b>              | 160 Kg  |



22 Bull Street, Savannah, GA 31401, USA

Email: [info@medicaldeals.com](mailto:info@medicaldeals.com) | Website: [Medical Deals Ltd.](https://www.MedicalDeals.com) | Phone: +1 506 699 0674