

Ultrasound system, compact

Country of origin | China

Primary function | Diagnosis

Health problem addressed _____

Ultrasound has been a widely-used tool for the assessment and monitoring of acute and chronic diseases. A versatile system able to cover a range of clinical aspects could potentially increase effectiveness of timely diagnosis and reduce the cost of healthcare. This system covers a wide range of clinical areas to meet the needs of patients from all walks of life, making it adequate for primary care general practitioners set in developing countries.



Disease addressed _____

The technology does not address one specific disease. It supports the diagnosis and monitoring of pregnancy, can be used in emergency and trauma and management of chronic diseases.

Technical descriptions _____

This portable ultrasound system is easy to use, portable, reliable, enhanced with guidance and automation, and allows for colour imaging. It covers a wide range of clinical specialties.

Developer's claims of products benefits _____

Similar devices are focused on cost reductions at the expense of quality, reliability, and development. This device is designed to meet the needs of developing countries. User guidance and automation allow for quality measurements.

Operating steps _____

Turn on the system. The booting up process will initialize. No user intervention is required until the boot up is complete. Place gel onto the scanning surface of the ultrasound probe. Place the probe onto the body region of interest. Use the "scancoach" option for guidance through the scan process. After completion of scan, post processing measurements can be carried out during or at the end of the examination. A report can be generated and printed if required.

Regulatory status and standards compliance _____

European Community (CE-mark), United States of America (FDA), Japan (JMHLW), EC TUV, MDS2, MSDS. DICOM and IHE.

Use and maintenance _____

User: Technician, nurse, general physician, specialised physician.

Training: Training would be tailored to the user's knowledge of ultrasound technology.

Maintenance/Calibration required: No

Environment of use _____

Setting: Rural settings, urban settings, outdoors, indoors, primary level (health post, health centre), secondary level (general hospital), tertiary level (specialists hospital), ambulances.

Facility requirements: Specific ambient temperature and/or humidity range.

Energy requirements: Rechargeable battery, continuous power supply.

Product specifications _____

Weight (kg): 6

Dimensions: 396mm x 368mm x 83mm

Accessories: Probes

Consumables: Ultrasound Gel

Lifetime: 5-10 years

In UN catalog: No

Commercial information _____

Reference price (USD): \$24'000.00

Year of commercialization: 2015

Number of units distributed: 101-1 000

Software requirements: Proprietary software

Model: LOGIQ V2

Other features: Portable, reusable (assuming appropriate decontamination and/or other reprocessing between uses)

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