



CARDIART

CARDIART is dedicated to developing the stethoscope of high sound quality with the group of well-known cardiologists, physicians of emergency room and acousticians. The combination of superior sound quality with rigorous manufacturing process offers the clearest and most immediate help to physicians in the critical moment.

REVIVING THE ART
OF AUSCULTATION

DS101
Electronic
Stethoscope



DS101

Electronic Stethoscope

FEATURES



The patented organ map makes the sound recordings more detailed

There are 32 measuring points of 4 organs, including 6 points for neck, 5 points for heart, 12 points for anterior/ posterior chest, and 9 points for bowel.



Sound filtering and frequency selection highlighting the pathological sound

To reduce the ambient noise and accurately perform various organ sounds. The bell mode (B mode) is suitable for auscultating heart sounds (20-200 Hz). The diaphragm mode (D mode) is suitable for auscultating sounds of lung or other organs (100-500 Hz).



28 decibel of auscultation amplification facilitates the recognition of subtle heart sounds.

DS101 is able to connect an external speaker for teaching and sharing.



Visualized phonocardiogram helps identify heart murmurs

Performing real-time sound waveforms to visualize auscultation, helping doctors to identify heart murmurs more easily.



BEST SOUND TECHNOLOGY

Best sound technology
Providing clear and delicate hearing experience

Replaceable auscultation head



Auscultation head for children (optional)

Product specification	
Power supply	AAA 1.5V alkaline batteries / 1.2V NiMH batteries
Power display	100%/75%/50%/25%
Auscultation head type	Replaceable
Product size	L127.05xW45.56xH46.98mm
Weight	23g
Clinical field	Auscultation
Waterproof level	IPX4
Monitor Size	OLED 1.46" Full Color 128x128 RGB
3 kinds of sound frequency	B/D/W
The range of sound frequency	Bell (20-200Hz) \ Diaphragm (100-500Hz) \ Wide (20-1000Hz)
Volume level	10
Organ map the sound recording	Yes
Length of recording time (sec.)	10, 20, 30, 40
Organ display	heart / anterior chest / posterior chest / neck / bowel
Heart rate detection	Yes, 30-180 bpm
Phonocardiogram display	Yes
Data transmission	Bluetooth 4.0
Storage	Can store 160pcs records of ten seconds recording



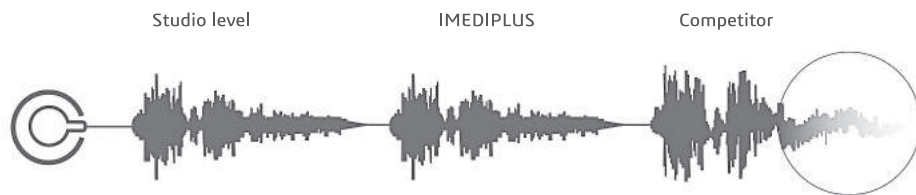
SOUND QUALITY

Best sound technology
Providing clear and delicate hearing experience

ENJOY TECHNOLOGY

Best audio performance
Enjoy digital technology

Exclusive original sound representing technology



Digitalized heart sound

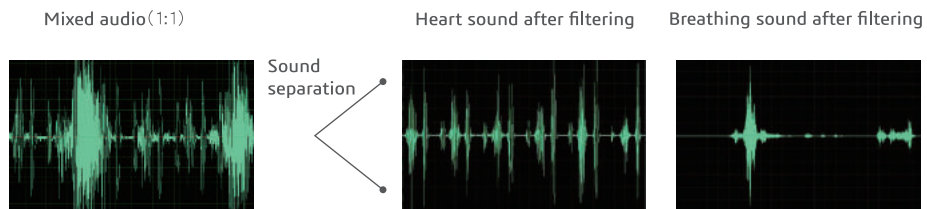
Record and share the cardiopulmonary sound on the laptop, tablet and mobile phone via Bluetooth transmission. You can check recording files any time and also can connect an external speaker for teaching and clinical consultation.

Visualized phonocardiogram

Real-time visualized phonocardiogram helps doctors to identify heart murmurs more easily by both hearing and visual diagnosis.



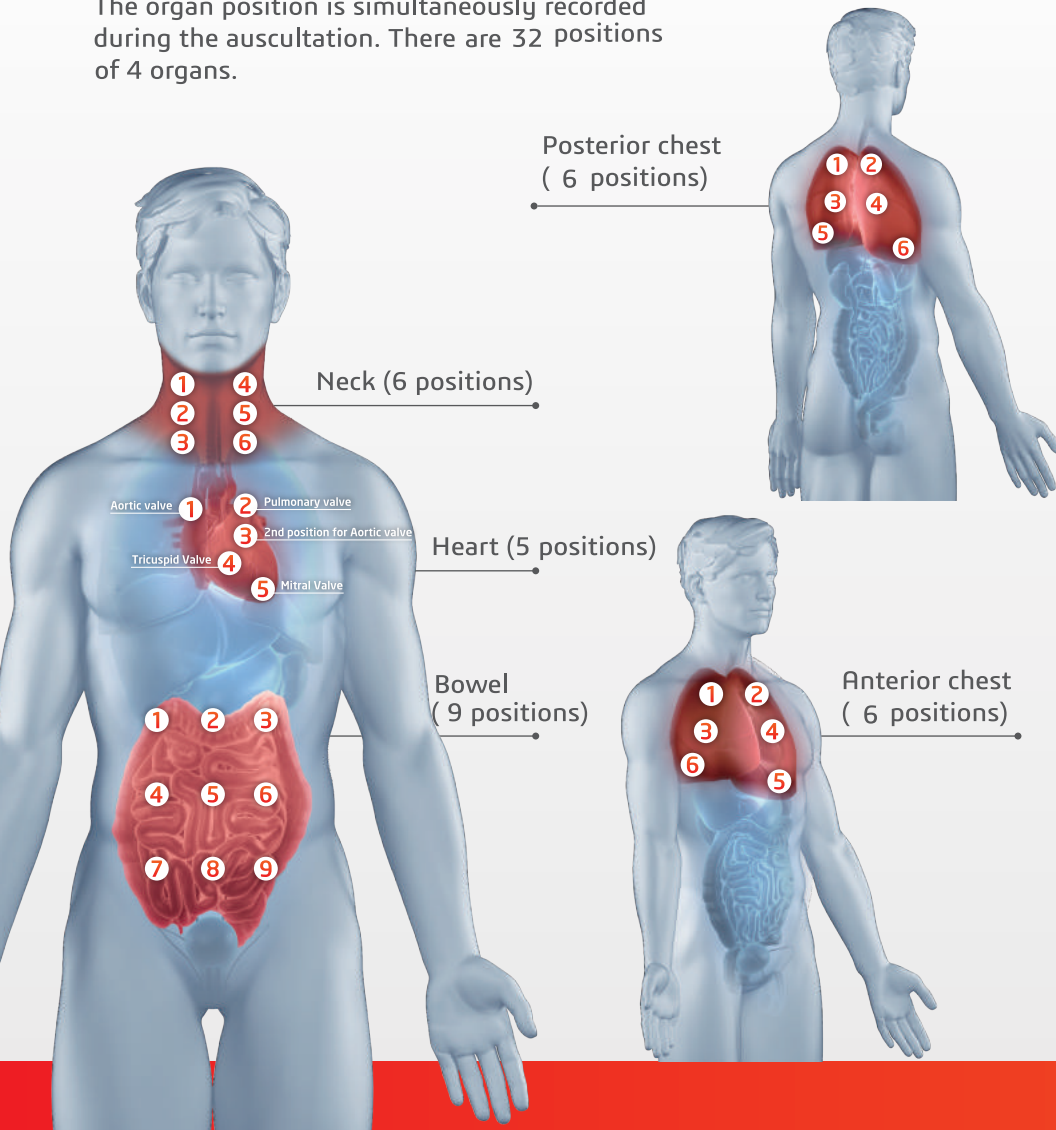
Sound filtering technology Example of cardiopulmonary sound



PATENT AND MARKUP FILES

The patented organ map makes the sound recordings more detailed

The organ position is simultaneously recorded during the auscultation. There are 32 positions of 4 organs.



IMMEDIATE TREATMENT

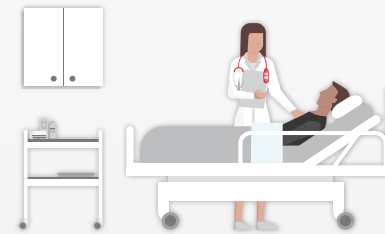
Listen, record and transmit anywhere
Screen anytime, immediate treatment

REMOTE AUSCULTATION

Remote auscultation
Health examination

Nursing staff

Emergency room consultation
Nurses patrol the rooms



Inter-patient record

Early screening for congenital heart disease



Applicable institution and operator

- Nursing home, Long-term care institution
- Medical school
- Nurse, Nursing staff

Screening object

- The person has three main symptoms of myocardial infarction, such as chest pain, respiratory asthma, cold sweat.
- The person ever had syncope, palpitation, chest distress and chest pain with unknown reason.
- The person has family history of heart disease.
- The person is embedded with heart rate regulator or defibrillator before or after having heart surgery.
- The person has hypertension, high blood sugar and hyperlipidemia.
- Chain-smoker.
- The person is under high pressure for long-term.
- Long-distance professional driver.

CaRDIaRT

Intelligent Digital Health Solution Provider



www.cardiart.com

IMEDIPLUS | Smart Auscultation, Precise Listening

CaRDIaRT conceived in USA, made in Taiwan by 