B-ULTRASOUND - CMS600P1 B-Ultrasonic Diagnostic System

Main Features
■ Bright and clear image quality
■ Portable and light weight, only 2.3 kg (include probe)
■ The probes offer a wide range of diagnostic applications
■ The structure of this device is brief, high efficiency and stability
■ The latest probe production technic, multi-layer matched sound, wide-frequency
■ Adopt the full digital beam technic to have good received signal and resolution
■ Switch steady power is adopted, and the power adaptability is strong
■ Low power consumption, high reliability and no heat is brought when it works continuity
■ The circuit adopts surface mounting technology(SMT) to ensure small volume and light weight

Specifications
■ Display mode: B, 2B, B/M, M
■ Image gray scale: 256 levels
■ Monitor: 10.1 inch TFT LCD
■ Lateral Resolution: ≤ 3 mm (near field) ≤ 4 mm (far field)
■ Axial Resolution: ≤ 1 mm (near field) ≤ 2 mm (far field)
■ Zoom: 0.8, 1.0, 1.2, 1.3, 1.5, 1.6, 1.8, 2.0
■ Dead zone: ≤ 4 mm
■ Scan depth: ≥ 180 mm
■ Cine loop: 256 frames
■ Measurement: Distance, circumference, area, volume, GA, FW, EDD, heart rate
■ Comment: Date & time, name, age, sex, doctor, hospital, ID, obstetrics report, annotation(whole screen comment input)
■ Body make: 27
■ Image flip: Up/down, left/right, black/white
■ Image process: Gamma correction, histogram
■ Support USB storage
■ Power supply: AC:100~240 V, 50Hz/60Hz - DC:14 V, 3.5 A
■ Battery class: 5400 mAh/11.1 V
■ Power consumption: 34 W
■ Dimension: 292 × 232 × 44 mm
■ Weight: 2.3 kg (include probe)

Standard Configuration
■ 3.5 MHz convex probe

Options
■ 6.5 MHz trans-vaginal probe
■ 7.5 MHz linear probe
**B-ULTRASOUND - CMS600H B-Ultrasonic Diagnostic System**

**Introduction**
The CMS600H ultrasound diagnostic system is a portable type. The images displayed by the system are crystal clear, stable and with high resolution due to adopting the latest techniques, such as continuously variable aperture, automatic multi-stage focusing, TGC, dynamic filtering, image edge enhancement, frame correlation, 256 gray scales image display, wide dynamic range and wide-band low noise preamplifiers, logarithmic compression etc. The system can be used for obstetrics examination and diagnosis of abdominal organs, and other small parts.

**Main Features**
- Portable and attractive plastic injection design: small-sized and lightweight, with clip
- Finer image display and higher resolution due to the application of the latest technologies
- Easy operation with newly designed keyboard
- Screen filter ensuring a comfortable operation
- Supporting a variety of probes and four kinds of scan center frequencies

**Main Performance**
- Display mode: B, 2B, BM, M, 4B
- Image gray scale: 256 Scale
- Monitor size: 10 Inch CRT
- Depth of penetration: ≥ 170 mm
- Dead zone: ≤ 4 mm
- Geometric: Horizontal ≤ 15 % Vertical ≤ 10 %
- Resolution: Lateral ≤3 (Depth≤80) ≤4 (80<Depth≤130) Axial ≤1 (Depth≤80) ≤2 (80<Depth≤130)
- Image conversion: Up/down, left/right, black/white
- Image storage: 192 Frame
- Cine loop: 1024 Frame
- Body mark: 35
- Software: Obstetrics
- Interface: USB2.0, VIDEO, VGA, COM
- Measurement: Distance, circumference, area, volume, heart rate and obstetrics

**Standard configuration**
- 3.5 MHz Convex Probe. Probe Frequency: 2.5-5.0 MHz Applications: Abdominal organs examination

**Optional configuration**
- 3.2 MHz Micro-Convex Probe. Probe Frequency: 2.0-5.0 MHz Applications: Cardiology examination
- 7.5 MHz HF Linear Probe. Probe Frequency: 6.5-8.5 MHz Applications: Small part examination
- 6.5 MHz Transvaginal Probe. Probe Frequency: 5.0-8.0 MHz Applications: Obstetrics and gynecology examination
- 7.5 MHz Endorectal Linear Probe. Probe Frequency: 6.0-6.9 MHz Applications: Animal examination
**Physical Identity**

Dimension: 300 (L) × 404 (W) × 262 (H) mm

Weight: 9.6 kg

**Qualification**

Passed CE
**B-ULTRASOUND - CMS1800 Color Doppler Ultrasonic Diagnostic System**

**Introductions**
This equipment is outstanding and versatile application imaging system with high precision digital beam forming and doppler ultrasonic imaging technology. The CMS1800 incorporate the latest image processing technologies such as THI, speckle reduction, multi-beam parallel processing and efficient full-digital image management system is easy to acquire better image. Special measurement software packages, flexible configuration and ergonomical design greatly increase operators clinical diagnosis accuracy and analysis efficiency.

**Main Features**
- **Applications:** Abdomen, OB&GYN, cardiology, vascular and small parts, urology, musculoskeletal, pediatrics and etc.
- **Displaying mode:** B, 2B, 4B, left&right, B/M, B/D, PW, M, B mode part zoom; B/C/D, B/C/M, B/C duplex, PW, CFM, CPA
- **Signal processing:** Full-digital beam forming, dynamic filter, orthogonal demodulating, space-time filter, dynamic real-time receiving focusing, RDA, DRA, spectral processing, CFM processing
- **Image processing:** THI, speckle-reduction, color coder, frame averaging, micro-angle adjustment, wall filter, 256 grey scale, scanning angle/width control, composite processing of tissue and blood flow image
- **General measurement:** B mode: distance, angle, perimeter and area (ellipse method, Trace method), volume, histogram, cross-section diagram; M mode: cardiac rate, time, distance, speed
- **Measurement&report packages:** GYN(four edition for GA calculation), cardiac, vascular, urology, andriatics, peripheral vascular, multiple births, orthopedic surgery and etc
- **Storage function:** Probe parameter, image, cine loop, measurement data and report
- **Cine loop:** Operated by automatically and manually, speed optional, searching cine loop, forward/backward cine loop
- **Input/output interface:** VGA, network, USB, VIDEO, parallel communication port, serial communication port

**Standard configuration**
Main unit
- 3.5 MHz convex probe
- 17 Inch LCD monitor
- 3 probe connectors
- DVD-RW
- 6 USB ports
- Free-arm
- 7.8 MHz high-frequency linear probe

Optional configuration
- 3.5 MHz micro-convex probe
- 7.0 MHz transvaginal probe
- Color video printer
- Laser printer
- DICOM3.0
**B-ULTRASOUND - CMS600E B-Ultrasound Diagnostic Scanner**

**Introductions**
This equipment is high resolution ultrasound scanner. The images displayed by the system are crystal clear, stable and with high resolution due to adopting the latest techniques, such as digital beam-forming, automatic multi-stage focusing, wide dynamic range, wide-band low noise preamplifier, dynamic filtering, logarithmic compression, TGC, image edge enhancement, frame correlation, linear interpolation, etc. The device is suitable for ultrasonic examination on abdominal, obstetric, etc.

**Main Features**

- The structure of this device is brief, high efficiency and stability
- The latest probe production technic, multi-layer matched sound, wide-frequency
- Adopt the full digital beam technic to have good received signal and resolution
- Switch steady power is adopted, and the power adaptability is strong
- Low power consumption, high reliability and no heat is brought when it works continuately
- The circuit adopts surface mounting technology (SMT) to ensure small volume and light weight

**Main Performance**
Display mode: B, 2B, BM, M
Image gray scale: 256 Scale
Monitor size: 10 Inch CRT
Depth of penetration: ≥ 180 mm
Dead zone: ≤ 4 mm
Geometric: Horizontal ≤ 10 % Vertical ≤ 5 %
Resolution: Lateral ≤ 3 (Depth≤80) ≤ 4 (80<Depth≤130)
Axial ≤ 1 (Depth≤80) ≤ 2 (80<Depth≤130)
Image conversion: Up/down, left/right, black/white
Image storage: External USB storage
Cine loop: 256 Frame
Body mark: 27
Software: Obstetric
Interface: USB2.0, VIDEO, VGA
Measurement: Distance, circumference, area, volume, angle, heart rate, slope and obstetric

**Standard configuration**
3.5 MHz Convex Probe Probe Frequency: 2.5-5.0 MHz Applications: Abdominal organs examination
**Optional configuration**
7.5 MHz HF Linear Probe  
Probe Frequency: 5.0-10.0 MHz  
Applications: Small part examination

6.5 MHz Transvaginal Probe  
Probe Frequency: 5.0-8.0 MHz  
Applications: Obstetrics and gynecology examination

**Physical Identity**
Dimension: 310 (L) × 450 (W) × 300 (H) mm  
Weight: 9.5 kg

**Qualification**
None
B-ULTRASOUND - CMS600S Digital PalmSmart Ultrasound Scanner

Introduction
This equipment is high resolution linear/convex ultrasound scanner. It adopts micro-computer control and digital scan converter (DSC), digital beam-forming (DBF), real time dynamic aperture (RDA), real time dynamic receiving apodization, real time dynamic receiving focusing (DRF), digital frequency scan (DFS), frame correlation technologies. The device is suitable for ultrasonic examination on abdominal and pelvic cavity organs.

Main Features
■ Video output offers connection to external video image printer and large-screen display and other equipments
■ High speed USB port provides real time image transfer to the PC
■ Combined power supply mode of AC adapter and built-in chargeable battery
■ the low power consumption and advanced power management technology promise more lasting battery operation
■ Field programmable gate array and surface mounted technology make this equipment compact and light in weight
■ Jet molding enclosure with hand-held structure

Main Performance
Display mode: B, 2B, BM, M, 4B
Image gray scale: 256 Scale
Monitor size: 7 Inch TFT LCD
Depth of penetration: ≥ 140 mm
Dead zone: ≤ 6 mm
Geometric: Horizontal ≤ 7.5% Vertical ≤ 5%
Resolution: Lateral ≤3 (Depth≤80) ≤5 (80<Depth≤130)
Axial ≤1 (Depth≤80)
Image conversion: Up/down, left/right, black/white
Image storage: 64 Frame
Cine loop: ≥400 Frame
Body mark: 40
Software: Obstetric, cardiology
Interface: USB2.0, VIDEO, MOUSE
Measurement: Distance, circumference, area, volume, gestational age, expected date

Standard Configuration
3.5 MHz Convex Probe Probe Frequency:2.5-5.0 MHz Applications: Abdominal organs examination
Optional Configuration
7.5 MHz Linear Probe Probe Frequency: 6.5-8.5 MHz Applications: Small part examination
5.0 MHz Micro-Convex Probe Probe Frequency: 4.0-5.5 MHz Applications: Heart examination
6.5 MHz Endorectal Linear Probe Probe Frequency: 5.0-7.5 MHz Applications: Animal examination

Physical Identity
Dimension: 265 (L) × 153 (W) × 46 (H) mm
Weight: 0.8 kg

Qualification
None
This equipment is high resolution linear/convex ultrasound scanner. It adopts micro-computer control and digital scan converter (DSC), digital beam-forming (DBF), real time dynamic aperture (RDA), real time dynamic receiving apodization, real time dynamic receiving focusing (DRF), digital frequency scan (DFS), frame correlation technologies. The device is suitable for ultrasonic examination on abdominal, small parts and obstetric.

**Main Features**
- PAL-D video output offers connection to external video image printer and big display and other equipments
- High speed USB port provides real time image transfer to the PC
- Using the touch pucker keyboard and tracball to operate, it’s quick, convenience, agility
- Field programmable gate array and surface mounted technology make this equipment compact and light in weight
- Jet molding enclosure and potable structure

**Main Performance**
- Display mode: B,B/B,M,M,4B,B+M/M
- Image gray scale: 256 Scale
- Monitor size: 10.4 Inch TFT Color LCD
- Depth of penetration: 40 mm-240 mm
- Dead zone: ≤ 3 mm
- Geometric: Horizontal ≤ 15 % Vertical ≤ 10 %
- Resolution: Lateral ≤2mm (Depth≤80) ≤3mm (80<Depth≤130)
- Axial ≤1mm (Depth≤80)
- Image conversion: Up/down, left/right, black/white
- Image storage: 64 Frame
- Cine loop: ≥500 Frame
- Body mark: 40
- Software: Obstetric, cardiology
- Interface: USB2.0, VIDEO
- Measurement: Distance, circumference, area, volume, gestational age, expected date

**Standrad configuration**
- 3.5 MHz Convex Probe Probe Frequency:2.5-5.0 MHz Applications:Abdominal organs examination
Optional configuration
7.5 MHz HF Linear Probe Probe Frequency: 6.5-8.5 MHz Applications: Small part examination
5.0 MHz Micro-convex Probe Probe Frequency: 4.0-5.5 MHz Applications: Cardiology examination
6.5 MHz Transvaginal Probe Probe Frequency: 5.5-7.5 MHz Applications: Obstetrics and gynecology examination
6.5 MHz Endorectal Linear Probe Probe Frequency: 5.0-7.5 MHz Applications: Animal examination

Physical Identity
Dimension: 292 (L) × 230 (W) × 43 (H) mm
Weight: 2 kg

Qualification
Passed CE
Introduction
This equipment is high resolution linear/convex ultrasound scanner. It adopts micro-computer control and digital scan converter (DSC), digital beam-forming (DBF), real time dynamic aperture (RDA), real time dynamic receiving apodization, real time dynamic receiving focusing (DRF), digital frequency scan (DFS), frame correlation technologies. The device is suitable for ultrasonic examination on abdominal, obstetric, cardiac, small parts.

Main Features
■ PAL-D video output offers connection to external video image printer and big display and other equipments
■ High speed USB port provides real time image transfer to the PC
■ Adoption of folded soft push keyboard and trackball provides immediate, convenient and flexible operation
■ Field programmable gate array and surface mounted technology make this equipment compact and light in weight
■ Jet molding enclosure and potable structure

Main Performance
Display mode: B, B/B, B/M, M, 4B, B+M/M
Image gray scale: 256 Scale
Monitor size: 12.1 Inch LCD
Depth of penetration: 40 mm-240 mm
Dead zone: ≤ 3 mm
Geometric: Horizontal ≤ 15 % Vertical ≤ 10 %
Resolution: Lateral ≤2mm (Depth≤80) ≤3mm (80<Depth≤130)
Axial ≤1mm (Depth≤80)
Image conversion: Up/down, left/right, black/white
Image storage: 64 Frame
Cine loop: ≥500 Frame
Body mark: 40
Software: Obstetric, cardiology
Interface: USB2.0, VIDEO, COM
Measurement: Distance, circumference, area, volume, heart rate, GA, FW, EDD

Standard configuration
3.5 MHz Convex Probe Probe Frequency: 2.5-5.0 MHz Applications: Abdominal organs examination

Optional configuration
7.5 MHz HF Linear Probe Probe Frequency: 6.5-8.5 MHz Applications: Small part examination
5.0 MHz Micro-Convex Probe Probe Frequency: 4.0-5.5 MHz Applications: Cardiology examination
6.5 MHz Transvaginal Probe

**Probe Frequency:** 5.5-7.5 MHz

**Applications:** Obstetrics and gynecology examination

**Physical Identity**

- Dimension: 304 (L) × 222 (W) × 289 (H) mm
- Weight: 6.1 kg

**Qualification**

- Passed CE
Introductions
This equipment is high resolution linear/convex ultrasound scanner. It adopts micro-computer control and digital scan converter (DSC), digital beam-forming (DBF), real time dynamic aperture (RDA), real time dynamic receiving apodization, real time dynamic receiving focusing (DRF), digital frequency scan (DFS), frame correlation technologies. The device is suitable for ultrasonic examination on abdominal, obstetric, cardiac, small parts.

Main Features
- PAL-D video output offers connection to external video image printer and big display and other equipments
- High speed USB port provides real time image transfer to the PC
- Adoption of folded soft push keyboard and trackball provides immediate, convenient and flexible operation
- Field programmable gate array and surface mounted technology make this equipment compact and light in weight
- Jet molding enclosure and potable structure

Main Performance
- Display mode: B, B/B, BM, M, B+M/M, 4B
- Image gray scale: 256 Scale
- Monitor size: 10 Inch CRT
- Depth of penetration: 40mm-240mm
- Dead zone: ≤ 3 mm
- Geometric: Horizontal ≤ 15 % Vertical ≤ 10 %
- Resolution: Lateral ≤ 2 (Depth ≤ 80) ≤ 3 (80 < Depth ≤ 130)
- Axial ≤ 1 mm (Depth ≤ 80)
- Image conversion: Up/down, left/right, black/white
- Image storage: 64 Frame
- Cine loop: ≥ 500 Frame
- Body mark: 40
- Software: Obstetric, cardiology
- Interface: USB2.0, VIDEO, COM
- Measurement: Distance, circumference, area, volume, heart rate, GA, FW, EDD

Standard configuration
3.5 MHz Convex Probe Probe Frequency: 2.5-5.0 MHz Applications: Abdominal organs examination
Optional configuration
7.5 MHz HF Linear Probe Probe Frequency: 6.5-8.5 MHz Applications: Small part examination
5.0 MHz Micro-Convex Probe Probe Frequency: 4.0-5.5 MHz Applications: Cardiology examination
6.5 MHz Transvaginal Probe Probe Frequency: 5.5-7.5 MHz Applications: Obstetrics and gynecology examination
6.5 MHz Endorectal Linear Probe Probe Frequency: 5.0-7.5 MHz Applications: Animal examination

Physical Identity
Dimension: 291 (L) × 365 (W) × 300 (H) mm
Weight: 6.4 kg

Qualification
Passed CE
**B-ULTRASOUND - CMS600B1 B-Ultrasound Diagnostic Scanner**

**Introductions**
The CMS600B1 is a high resolution full digital B/W ultrasound diagnostic instrument. It adopts micro-computer control and digital scan converter (DSC), digital beam-forming (DBF), real time dynamic aperture (RDA), real time dynamic receiving apodization, real time dynamic receiving focusing (DRF) technologies. The device is suitable for ultrasonic examination on abdominal, obstetric, cardiac, small parts, urology.

**Main Features**
- Full digital beam forming technology
- High resolution monitor: high quality, high resolution monitor gives clean sharp images
- Comfortable operating station: special designed keyboard greatly helps doctors from repetitive jobs
- Using latest chipsets brings most stable systems
- Support for hard disk, CD-RW, U-disk, CF cards, SD cards and other storage
- Compatible with VGA, PAL, NTSC and other display mode

**Main Performance**
- Display mode: B, 2B, BM, M, 4B
- Image gray scale: 256 Scale
- Monitor size: 10 Inch CRT
- Depth of penetration: ≥ 180 mm
- Dead zone: ≤ 3 mm
- Resolution: Lateral ≤2 (Depth≤80) ≤3 (80<Depth≤130) Axial ≤1 (Depth≤80) ≤2 (80<Depth≤130)
- Image conversion: Up/down, left/right, black/white
- Image storage: 512 Frame*N group
- Cine loop: Thousands more
- Body mark: 43
- Software: Obstetric, cardiology, gynaecology, urology, small part
- Interface: USB2.0, VIDEO, COM, RJ-45
- Measurement: Distance, circumference, area, volume, angle, ratio, heart rate, slope, intervals and obstetric

**Standard configuration**
- 3.5 MHz Convex Probe
- Probe Frequency: 2.5-5.0 MHz
- Applications: Abdominal organs examination
Optional configuration
7.5 MHz HF Linear Probe Probe Frequency: 5.0-10.0 MHz Applications: Small part examination
3.5 MHz Micro-Convex Probe Probe Frequency: 2.0-5.0 MHz Applications: Cardiology examination
6.5 MHz Transvaginal Probe Probe Frequency: 5.0-8.0 MHz Applications: Obstetrics and gynecology examination

Physical Identity
Dimension: 340 (L) × 350 (W) × 280 (H) mm
Weight: 10 kg

Qualification
None
**Introductions**  
The CMS600C2 is a high resolution full digital B/W ultrasound diagnostic instrument. It adopts micro-computer control and digital scan converter (DSC), digital beam-forming (DBF), real time dynamic aperture (RDA), real time dynamic receiving apodization, real time dynamic receiving focusing (DRF) technologies. The device is suitable for ultrasonic examination on abdominal, obstetric, cardiac, small parts, urology.

**Main Features**  
- Full digital beam forming technology  
- High resolution monitor: high quality, high resolution monitor gives clean sharp images  
- Comfortable operating station: special designed keyboard greatly helps doctors from repetitive jobs  
- Using latest chipsets brings most stable systems  
- Support for hard disk, CD-RW, U-disk, CF cards, SD cards and other storage  
- Compatible with VGA, PAL, NTSC and other display mode

**Main Performance**  
- Display mode: B, 2B, BM, M, 4B  
- Image gray scale: 256 Scale  
- Monitor size: 14 Inch CRT  
- Depth of penetration: ≥ 180 mm  
- Dead zone: ≤ 3 mm  
- Resolution: Lateral ≤ 2mm (Depth≤80) ≤ 3mm (80<Depth≤130)  
  Axial ≤ 1mm (Depth≤80) ≤ 2mm (80<Depth≤130)  
- Image conversion: Up/down, left/right, black/white  
- Image storage: Thousands of frames  
- Cine loop: 512 Frames × N  
- Body mark: 43  
- Software package: Obstetric, cardiology, gynaecology, urology, small part  
- Interface: USB2.0, VIDEO, COM, RJ-45  
- Measurement: Distance, circumference, area, volume, angle, ratio, heart rate, slope, intervals and obstetric

**Standrad configuration**  
3.5 MHz Convex Probe  
Probe Frequency: 2.5-5.0 MHz  
Applications: Abdominal organs examination
Optional configuration
7.5 MHz HF Linear Probe Probe Frequency: 5.0-10.0 MHz Applications: Small part examination
3.5 MHz Micro-Convex Probe Probe Frequency: 2.0-5.0 MHz Applications: Cardiology examination
6.5 MHz Transvaginal Probe Probe Frequency: 5.0-8.0 MHz Applications: Obstetrics and gynecology examination

Physical Identity
Dimension: 390 (L) × 480 (W) × 1155 (H) mm
Weight: 42.5 kg

Qualification
None
**Introductions**

The CMS600C ultrasound diagnostic system is a trolley type. The images displayed by the system are crystal clear, stable and with high resolution due to adopting the latest techniques, such as continuously variable aperture, automatic multi-stage focusing, TGC, dynamic filtering, image edge enhancement, frame correlation, 256 gray scales image display, wide dynamic range and wide-band low noise preamplifiers, logarithmic compression etc. The system can be used for obstetrics examination and diagnosis of abdominal organs and other small parts.

**Main Features**
- Finer image display and higher resolution due to the application of the latest technologies
- High resolution monitor: high quality, high resolution monitor gives clean sharp images
- Easy operation with newly designed keyboard
- Screen filter ensuring a comfortable operation
- Supporting the variety's probe and four kinds of scan center frequency also

**Main Performance**
- Display mode: B, 2B, BM, M, 4B
- Image gray scale: 256 Scale
- Monitor size: 14 Inch CRT
- Depth of penetration: ≥ 170 mm
- Dead zone: ≤ 4 mm
- Geometric: Horizontal ≤ 10 % Vertical ≤ 5 %
- Resolution: Lateral ≤3 (Depth≤80) ≤4 (80<Depth≤130) Axial ≤1 (Depth≤80) ≤2 (80<Depth≤130)
- Image conversion: Up/down, left/right, black/white
- Image storage: 192 Frame
- Cine loop: 1024 Frame
- Body mark: 35
- Software: Obstetrics
- Interface: USB2.0, VIDEO, VGA, COM
- Measurement: Distance, circumference, area, volume, heart rate and obstetrics
**Standard configuration**
3.5 MHz Convex Probe
- Probe Frequency: 2.5-5.0 MHz
- Applications: Abdominal organs examination

**Optional configuration**
- 3.2 MHz Micro-Convex Probe
  - Probe Frequency: 2.0-5.0 MHz
  - Applications: Cardiology examination
- 7.5 MHz HF Linear Probe
  - Probe Frequency: 6.5-8.5 MHz
  - Applications: Small part examination
- 6.5 MHz Transvaginal Probe
  - Probe Frequency: 5.0-8.0 MHz
  - Applications: Obstetrics and gynecology examination
- 7.5 MHz Endorectal Linear Probe
  - Probe Frequency: 6.0-6.9 MHz
  - Applications: Animal examination

**Physical Identity**
- Dimension: 375 (L) × 470 (W) × 1292 (H) mm
- Weight: 38.7 kg

**Qualification**
- None
**Introductions**
The CMS600B ultrasound diagnostic system is a portable type. The images displayed by the system are crystal clear, stable and with high resolution due to adopting the latest techniques, such as continuously variable aperture, automatic multi-stage focusing, TGC, dynamic filtering, image edge enhancement, frame correlation, 256 gray scales image display, wide dynamic range and wide-band low noise preamplifiers, logarithmic compression etc. The system can be used for obstetrics examination and diagnosis of abdominal organs, and other small parts.

**Main Features**
- Portable and attractive plastic injection design: small-sized and lightweight, with clip
- Finer image display and higher resolution due to the application of the latest technologies
- Easy operation with newly designed keyboard
- Screen filter ensuring a comfortable operation
- Supporting the variety’s probe and four kinds of scan center frequency also

**Main Performance**
- Display mode: B, 2B, BM, M, 4B
- Image gray scale: 256 Scale
- Monitor size: 10 Inch CRT
- Depth of penetration: ≥ 170 mm
- Dead zone: ≤ 4 mm
- Geometric: Horizontal ≦ 10 % Vertical ≦ 5 %
- Resolution: Lateral ≤ 3mm (Depth≤80) ≤ 4 mm(80<Depth≤130)
- Axial ≤ 1 mm(Depth≤80) ≤ 2 mm(80<Depth≤130)
- Image conversion: Up/down, left/right, black/white
- Image storage: 192 Frame
- Cine loop: 1024 Frame
- Body mark: 35
- Software: Obstetrics
- Interface: USB2.0, VIDEO, VGA, COM
- Measurement: Distance, circumference, area, volume, heart rate and obstetrics

**Standard configuration**
- 3.5 MHz Convex Probe Probe Frequency: 2.5-5.0 MHz Applications: Abdominal organs examination

**Optional configuration**
- 3.2 MHz Micro-Convex Probe Probe Frequency: 2.0-5.0 MHz Applications: Cardiology examination
- 7.5 MHz HF Linear Probe Probe Frequency: 6.5-8.5 MHz Applications: Small part examination
- 6.5 MHz Transvaginal Probe Probe Frequency: 5.0-8.0 MHz Applications: Obstetrics and gynecology examination
- 7.5 MHz Endorectal Linear Probe Probe Frequency: 6.0-6.9 MHz Applications: Animal examination
- 5.0MHz Linear Probe Probe Frequency:4.06.0 MHz Application: Animal examination
**Physical Identity**

Dimension: 300 (L) × 404 (W) × 262 (H) mm  
Weight: 9.6 kg

**Qualification**

None

**Multi-frequency Probe**

6.5 MHz Transvaginal  
3.5 MHz Convex  
3.2 MHz Heart  
7.5 MHz Linear

**CMS600B**
B-ULTRASOUND - CMS280C Mobile Ultrasound Scanner

**Features**
- Advanced probe technology and special protection for probe
- Various image process function:
  - 4 background color for adjustment
  - 8 degree dynamic range
  - 8 degree boundary enhancement
  - 4 for adjustment
  - 4 framed of correlation
- Option: Multi-frequency probe, transvaginal probe, 7.5MHz Linear probe, Cine loop memory, Double sockets

**Specification**
- Measuring: Distance, circumference, area, volume, heart rate, pregnant week and fetal weight
- Character display: ID number, time, date, body make, probe position, focus, frame rate, zoom, gray scale, puncture guide line, menu
- Zoom: ×1, ×1.2, ×1.5, ×2 (according to the selected probe)
**B-ULTRASOUND - CMS600A B-Ultrasound Diagnostic Scanner**

**Introductions**
This equipment is high resolution ultrasound scanner. It adopts 4-sector dynamic focusing and digital scan converter (DSC), dynamic logarithm compress, TGC control and wave filtering, high-frequency beam-former. The device has been widely used in examining abdomen and obstetrics, urology, cardiology, gynaecology, small parts etc, in various hospitals at all level.

**Main Features**
- Optional wide-frequency electronic convex array probe, electronic linear array probe and transvaginal probe
- The image can be uploaded to computer through the USB port
- The machine software can be upgraded by U-disk, and store or load image on the U-disk
- Light-touch keyboard and trackball
- Direct operation keys for easy and quick operation
- This device is attractively designed, plastic injection, small-sized, lightweight

**Main Performance**
- Display mode: B, 2B, BM, M
- Image gray scale: 256 Scale
- Monitor size: 10 Inch CRT
- Depth of penetration: ≥ 170 mm
- Dead zone: ≤ 4 mm
- Geometric: Horizontal ≤ 4 % Vertical ≤ 4 %
- Resolution: Lateral ≤ 2 mm Axial ≤ 1 mm
- Image conversion: Up/down, left/right, black/white
- Image storage: 16 Frame
- Cine loop: 256 Frame
- Body mark: 38
- Software: Obstetrics, gynecology, urology, cardiology
- Interface: USB2.0, VIDEO
- Measurement: Distance, area, volume(ellipse method), heart rate, slope, weight and Obstetrics

**Standard configuration**
- 3.5 MHz Convex Probe
  - Probe Frequency: 2.5-5.0 MHz
  - Applications: Abdominal organs examination

**Optional configuration**
- 6.5 MHz HF Linear Probe
  - Probe Frequency: 5.0-7.5 MHz
  - Applications: Small part examination
- 6.5 MHz Transvaginal Probe
  - Probe Frequency: 5.0-7.5 MHz
  - Applications: Obstetrics and gynecology examination

**Physical Identity**
- Dimension: 335 (L) × 465 (W) × 380 (H) mm
- Weight: 12 kg
Qualification
None
**B-ULTRASOUND - CMS600C B-Ultrasound Diagnostic System**

**Introductions**
The CMS600C ultrasound diagnostic system is a trolley type. The images displayed by the system are crystal clear, stable and with high resolution due to adopting the latest techniques, such as continuously variable aperture, automatic multi-stage focusing, TGC, dynamic filtering, image edge enhancement, frame correlation, 256 gray scales image display, wide dynamic range and wide-band low noise preamplifiers, logarithmic compression etc. The system can be used for examination and diagnosis of abdominal organs, and other small parts.

**Main Features**
◆ Finer image display and higher resolution due due the application of the latest technologies
◆ High resolution monitor: high quality, high resolution monitor gives clean sharp images
◆ Easy operation with newly designed keyboard
◆ Screen filter ensuring a comfortable operation
◆ Supporting the variety’s probe and four kinds of scan center frequency also

**Main Performance**
Display mode : B, 2B, BM, M, 4B
Image gray scale : 256 Scale
Monitor size : 14 Inch CRT
Depth of penetration : ≥ 170 mm
Dead zone : ≤ 4 mm
Geometric : Horizontal ≤ 10 % Vertical ≤ 5%
Resolution : Lateral ≤ 3 mm (Depth≤80) ≤ 4 mm (80<Depth≤130)
Axial ≤ 1 mm (Depth≤80) ≤ 2 mm (Depth≤80)
Image conversion : Up/down, Left/right, black/white
Image storage : 192 Frame
Cine loop : 1024 Frame
Body mark : 35
Software : Obstetrics
Interface : USB2.0, VIDEO, VGA, COM
Measurement : Distance, circumference, area, volume, heart rate and obstetrics

**Standard configuration**
3.5 MHz Convex Probe Probe Frequency: 2.5-5.0 MHz Application: Abdominal organs examination

**Optional configuration**
3.2 MHz Micro-C convex Probe Probe Frequency: 2.0-5.0 MHz Application: Cardiology examination
7.5 MHz LF Linear Probe Probe Frequency: 6.0-9.0 MHz Application: Small part examination
6.5 MHz Transvaginal Probe Probe Frequency: 5.0-8.0 MHz Application: Obstetrics and gynecology examination

**Qualification**
None
FETAL MONITOR - CMS-800F

Features
- Single or Twins Ultrasound transducer
- Data Graph and Trend Table Review of both mother and fetal
- Built-in thermal printer
- Built-in Network capability for connect with central monitoring software
- Programmable alarms
- All the colors and looks or the parameters can be customized
- Multi-face views, select focus on mother or fetal
- Storage of patient information and data

Performance Specifications
- Display: 8.4" Color TFT
- Resolution: 640x480
- Display Mode: Standard View, Fetal View, Mother View
- Indicator: Power indicator light, Alarm sound
- Interface: Socket for connecting fetal's FHR, TOCO, and Fetal Movement sensor. Socket for connecting mother's ECG, NIBP and SPO2 sensor. Net Socket (RJ45) for communication cable with Central Monitoring Station Software.
- Power Supply: AC 100 ~ 240V, 50/60Hz, Power < 60VA
- Trend Graph: Resolution from 1s, 5s, 10s. Maximum time 96 hours.
- Trend Table: Resolution from 1s, 5s, 10s. Review up to 1000 items.
- Alarm: Adjustable High and Low limits. Three level audible and visual alarm.
- User Configuration: All the color of parameters and waves can be set according to user's willing.

Technical specifications
- Safety
  - Meet the requirement of IEC60601 series
- Type of Protection: Class II with internal electric power supply
- Degree of Protection: BF
- Dimension and Weight
  - Dimension: 92(W)x82(H)x22(D)mm
  - Weight: 3.6kg (with battery)

Operation Environment
- Temperature: 0°C ~ 40°C
- Humidity: 15% ~ 95%
**Storage Environment**
- Temperature: -20°C ~ +60°C
- Humidity: 10% ~ 95%
- Patient Range: Pregnant Adult

**FHR**
- Ultrasound Frequency: 2MHz
- Range: 50 ~ 210 bpm
- Resolution: 1bmp
- Accuracy: ±2bmp

**TOCO**
- Range: 0 ~ 100%
- Resolution: 1%
- Non-linear Error: <= ±8%
- Zero control: Manual
- FETAL MOVEMENT:
  - Manual fetal movement mark

**SPO2**
- Measurement Range: 0 ~ 100%
- Resolution: 1%
- Accuracy:
  - ±2% (70%~100%, Adult/Pediatric, non-motion)
  - ±3% (70%~100%, Neonate, non-motion)
  - 0% ~ 69% unspecified
- Alarm Range: 0% ~ 100%
- Refreshing Rate: 1s

**Pulse Rate**
- Measurement Range: 25 ~ 250 bpm
- Resolution: 1 bpm
- Accuracy: ±3 bpm (non-motion)
- Alarm Range: 25 ~ 250 bpm
- Refreshing Rate: 1 s

**ECG**
- Lead mode: 3-lead or 5-lead
- Lead selection: I, II, III, AVR, AVL, AVF, V
- HR range: 15 ~ 300 bpm
- ECG Waveform: 2 channels
- Accuracy: ±2 bpm or ±2%, which is greater
- S-T segment detection range: -2.0mv ~ +2.0mv
- Arrhythmia analysis: 13 kinds of arrhythmia
- Alarm Range: 15 ~ 300 bpm

**NIBP**
- Method: Oscillometry
- Mode: Manual/Auto/Continuous
- Measurement Range: 25 ~ 260 mmHg
- Auto Measure Interval: 5, 10, 15, 30, 45, 60, 90 minutes
- Resolution: 1 mmHg
- Overpressure Protection: 300 mmHg
- Alarm range: 25 ~ 260 mmHg
Feature
CMS 800 is a lightweight, space-saving fetal monitor, ensure external and internal monitoring parameters. It can be used up to and during the second stage labor. It also can be connected to the obstetrical central station to construct central monitoring system.

- Light weight, space-saving, easy operation
- Nine elements high sensitive probe
- Basic function: FHR, TOCO, fetal movement, twins monitoring and automatic channel recognition.
- Wide range of applying voltage (100-250V)
- Automatic Fetal Movement Detection
- Built-in network/PC connecting interface
- Software for data recording, analyzing and displayin

Specification
FHR Online: RS-232, RS485
2 MHz pulse wave Operation Environment
Rang of the heart rate: 50-210bpm Electric specification:100-250V AC: 50Hz
Precision: ±1bpm Temperature: 5℃-40℃
Record differentiated: 30bpm/cm Applicable range:
UA FHR heart rate monitor
0-100 units precision: ±1 UA TOCO monitor
Monitor performance Record: build-in thermal record
Display: The red alarm display of the high Option:
Brightness LED power supply indicator light, MFM audible and visual alarm DECG
Alarm: upper and lower limit alarm IUP
FETAL MONITOR - CMS800G Fetal Monitor

Instructions
Fetal Monitor can acquire fetal heart rate, maternal uterine contraction when pregnancies over 28 weeks to provide reference data for clinical use. The monitor can be used individually or connected with PC through RJ45 Interface for the purpose of central monitoring. It is only suitable for the equipment in hospitals, clinics, doctors offices and patients at home by professional medical personnel.

Major Features
◆ Light dexterous appearance, tops horizontally and walls can be hoisted
◆ 8.0 "screen color LCD display, rotatable screen to 60°
◆ Display of the patient data and curve clearly
◆ FHR 120 BPM~160 BPM normal range label
◆ Manual records fetal movement
◆ Sound and color alarm for high and low fetal heart rate
◆ Continuous 24-hour real-time monitoring function
◆ Continuous 12-hour patient curve and data storage, playback and print
◆ With picture freeze function
◆ Optional English interface
◆ Single, Twins Monitoring optional
◆ 9 crystal board band pulsed wave transducer
◆ Extra-long life, high-resolution built-in thermal recorder
◆ Built-in communication port, can be connected with central monitoring system.

Main performance
Security:
Anti-shock types: Facilities I, no internal power supply Anti-electric Shock Degree: B Working Voltage: AC 100 V~240 V Frequency: 50 Hz/60 Hz P<60 VA Fuse: T1.6AL250VDisplay
Dimensions: 8.0 "color LCD display, folding 60 degree

Display
Content: bed No., pregnancy weeks, age, paper speed, date, time, volume, alarm status, transducer connection status, recorder status, FHR data and wave, Contraction data and wave, Fetal move times and mark etc.

Print
Record Paper two-double type Z
Print Width: 112 mm
Valid Print Width: 104 mm
Paper output speed: 1 cm/min, 2 cm/min, 3 cm/min(optional)
Data Precision: ±5 % (X Roll), ±1 % (Y Roll)
Record Content: hospital, bed No., name, pregnancy weeks, patient No., paper speed, date, time, FHR data and wave, Contraction data and wave, Fetal move times and mark etc.
Ultrasound probe
Nominal Frequency: 1.0 MHz
Work Frequency: 1.0 MHz±10 %
Negative peak sound pressure : \( p_\text{<} < 1 \text{ MPa} \)
Output beam intensity : \( I_\text{ob} < 20 \text{ mW/cm}^2 \)
The peak time space peak intensity: \( I_\text{sp} < 100 \text{ mW/cm}^2 \)
The average time space peak intensity: \( I_\text{a} < 10 \text{ mW/cm}^2 \)
FHR Rang: 50 BPM~240 BPM
Resolution: 1 BPM
Accuracy : ±2 BPM

TOCO
TOCO range: 0~100 %
Resolution: 1 %
Nonlinear error: <±10 %
RZ way: Manually

Fetal Marking
For the manual button (the operation of pregnant women), there will be a mark display in the bottom area of FHR wave display section.
FHR Alarm:
Alarm for high and low FHR, which exceeds appointed limit.

Accessories
Sell in standard
◆ Transducers (Ultrasound Transducer I, TOCO Transducer, Remote Marker)
◆ Abdomen belt
◆ Record Paper
◆ Power supply line
◆ Earth line
◆ Two Fuses
◆ User manual

Sell in addition
◆ Ultrasound Transducer II

Physical Characteristics
Size: 320 mm (length) × 260 mm (width) × 80 mm (height)
Weight: about 3 kg
FETAL MONITOR - CMS9000 Maternal/Fetal Monitor

Introduction
CMS9000F Maternal/Fetal Monitor, designed for the application in the antepartum, intrapartum and postpartum applications. CMS9000F is suitable for private obstetrician office, antepartum clinic, moving situation or home monitoring situation. It offers most advanced integrated monitoring of fetus and mother.

Option
Twins monitoring capability
Thermal printer or inkjet printer

Features
- Support external thermal printer or inkjet printer
- Built-in rechargeable battery, DC/AC power supply
- Built-in network capability
- Large color TFT screen display waveforms and digits
- Maternal Parameters: ECG, SPO2, NIBP, RESP, TEMP
- Automatic Fetal Movement Detection, AFM waveform display
- 24 hours monitoring data storage and reload
- Acceleration and Deceleration measurement ability
- Baseline, acceleration and deceleration analysis capability
- Easy operation by with shortcut key and rotary knob
- Super printing functions
- Automatic monitoring mode, parameters configurable
- Clinical data management, can be reload, reanalysis, reprint
- Visual and audio alarm, comply with international standard
**Fetal Doppler - Sonoline H Fetal Doppler**

**Instructions**
The Pocket Fetal Doppler is hand-held, which used for detecting fetal heart beats. It includes ultrasound probe and fetal monitor software two parts. The probe is used for signal collection, the fetal monitor software analyse, and the PC displays the FHR wave and data, which can be used in hospital clinic and home for daily self-check by pregnant woman.

**Main Features**
- Adopt flatness streamline structure for probe, the appearance concision and in good taste
- Power supply by USB bolt, based on PC, saving energy and cleaning
- It has audio output, and can be connected with earphone or sound box
- FHR data and wave display and storage function, based on PC
- FHR 120-160bpm normal range label. Sound and vision alarm for high and low fetal heart rate
- Probe connect status can be identified automatically
- The function of printing
- Defend fake sign

**System configuration required**
- CPU: above PentiumIV
- Memory: above 128M
- Main board: Main board with Intel chips group in is recommended.
- Hard disk: 1G or above
- Display chip: with more than 16M memory
- CD ROM: CD-ROM with 24 times speed or above (or CD memory System)
- Operating System: Microsoft Windows 2000/xp/Vista (Windows xp is recommend)
- Resolution: above 1024×768
- Color: 24 bit color or above
- Font: normal font
- Interface: USB2.0
- Printer: ordinary laser printer
- Main Technical Specification
  - Display Range: 30 BPM ~ 240 BPM
  - Display Accuracy: ± 2 BPM
  - Work Frequency: 2.0 MHz ± 10%
  - Negative peak sound pressure: P_ < 0.5 MPa
  - Ultrasound output power: P < 10 mW
  - Work mode: Continuous
  - Effective ultrasound beam area: 208 mm² ± 15%
  - Input Voltage: 4.75 V ~ 5.25 V
  - Input Current: < 80 mA
Fetal Doppler - Sonoline C1 Fetal Doppler

Instructions
Pocket Fetal Doppler is a hand-held obstetrical unit, which can be used in hospital, clinic and home for daily self-check by pregnant woman. It contains components of ultrasonic signal transmitter and receiver, analog signals processing unit, FHR calculating unit, LCD display control unit etc. It has 3 work modes: real-time FHR display mode, averaged FHR display mode, and manual mode. It also has audio output, and can be connected with earphone or recorder with audio input.

Main Features
■ Beautiful shape, portable, easy operation
■ The probe has bending structure which is easy to operate and can increase the ease of the pregnant women, embodies the humane care design
■ Battery status indicator
■ The probe can be changeable
■ Probe inspection
■ Built-in speaker
■ Output for headphones
■ Backlight
■ Auto shut off
■ Two pieces of standard 1.5V alkaline battery available which can work no less than 8 hours

Main performance
Anti-electroshock Type: Internally powered equipment
Anti-electroshock Degree: Type B applied part
LCD Display: 38 mm×28 mm
FHR Measuring Range: 50 ~240 BPM (BPM: beat per minute)
Resolution: 1 BPM
Accuracy: ±2 BPM
Power Consumption: < 0.8 W
Voltage: DC 3.0 V
Power Supply: Two 1.5V (AA size) alkaline battery
Suitable Using Range: Suitable for use after the 12th week of pregnancy
Auto Shut-OFF: After 1 minute no signal, power off automatically
Working Frequency: 2.0 MHz±10%
Ultrasound Output Power: P < 10 mW
Ultrasound Output Intensity: Isata < 5 mW/cm²
Working Mode: Continuous wave Doppler
Effective Radiating Area of Transducer: 157 mm²±15%

Physical Characteristic
Dimension:(L)135mm × (W)92mm × (H)29mm
Weight: About 245g (including batteries)
Pocket Fetal Doppler is a hand-held obstetrical unit, which can be used in hospital, clinic and home for daily self-check by pregnant woman. The device uses color LCD of high resolution to display the fetal heartbeat waveform, integrated the function of time display and menu control, calculating the FHR, FHR data, heartbeat waveform and heartbeat sound memory, wave review, and it can communicate with PC, transfer the data to PC software to display and print the heart rate trend graph, which can help the doctor diagnose and manage the case in time. It contains components of ultrasonic signal transmitter and receiver, analog signals processing unit, FHR calculating unit, LCD display control unit, efficient signal memory and read etc. It has 3 work modes: real-time FHR display mode, averaged FHR display mode, and manual mode. It also has audio output, and can be connected with earphone or recorder with audio input.

Main Features
- Beautiful shape, portable, easy operation
- real-time clock display
- three test modes: real-time, average, manual
- Chinese and English display and adjust
- The probe has bending structure which is easy to operate and can increase the ease of the pregnant women, incarnating the humane design
- The probe can be changeable
- Probe inspection
- FHR values, bar graph and heartbeat waveform color screen display
- Alarming in red when the FHR range is out of the normal range
- memory and review
- observe the heart rate trend graph by PC software, manage the memory cases
- Battery status indicator
- Built-in speaker
- Output for headphone.
- Auto power-off when there is no operation in one minute
- Two pieces of standard 1.5V alkaline battery available which can work no less than 8 hours

Main performance
- Display: 1.77”262K TFT display
- FHR Performance:
  - FHR Measuring Range: 50~240BPM (BPM: beat per minute)
  - Resolution: 1 BPM
  - Accuracy: ± 2 BPM
- Power consumption: < 1 W
- Auto Shut-OFF: Automatic power-off when there is no operation in one minute
- Battery Type Recommended: TWO 1.5V (AA size) alkaline battery
- Probe:
  - Working Frequency: 2.0 MHz ± 10%
  - Ultrasonic Output Intensity: Isata < 5 mW/cm²
  - Ultrasonic Output Power: P < 10 mW
Working Mode: Continuous
Effective Radiating Area of Transducer: $157 \text{ mm}^2 \pm 15\%$

**Physical Characteristic**
Dimension: (L) 135mm × (W) 92mm × (H)29mm
Weight: About 245g (including batteries)
Instructions
Baby Sound C is a new Fetal Doppler with more beatiful and compact design. It is specially designed for homecare, allowing pregnant woman to listen to their unborn baby's heart sound, movement and hic-cups from as early as 10 to 12 weeks. It is suitable for expectant mother to carry out regular examination on her baby in between routine hospital examination.

Main Features
◆ The probe and main units integrated together
◆ Beautiful and compact design, portable to use
◆ Power indicator used for the power-on state
◆ Particular two audio output socket design can let expectant mother and father hear the fetal sound at the same time
◆ High sensitive doppler probe
◆ Low power consumption, two AAA size batteries can last more than 8 hours for continuous use (depend on battery type and volume)
◆ Can be connected to a computer or recorder to record the fetal heart sound with recording cable

Main performance
Anti-electroshock Type: Internally powered equipment
Anti-electroshock Degree: Type B applied part
Power Consumption: < 1 W
Voltage: DC 3.0 V
Battery Type Recommended: TWO 1.5V (AAA size) alkaline battery
Suitable Using Range: Suitable for use after the 12th week of pregnancy
Probe:
Nominal Frequency: 2.0 MHz
Working Frequency: 2.0 MHz ± 10%
Ultrasound Output Power: P < 10 mW
Ultrasonic Output Intensity: Isata < 5 mW/cm²
Negative Peak Sound Pressure: p_ < 0.5 MPa
Working Mode: Continuous wave doppler
Effective Radiating Area of Transducer: 208 mm² ± 15%

Physical Characteristic
Dimension: (L) 122 mm × (W) 72 mm × (H) 56 mm
Weight: About 96 g (including batteries)
Qualification
Passed CE
Fetal Doppler - Sonoline C Pocket Fetal Doppler

Instructions
Pocket Fetal Doppler is a hand-held obstetrical unit, which can be used in hospital, clinic and home for daily self-check by pregnant woman. The device uses color LCD of high resolution to display the fetal heartbeat waveform, and figure out the FHR to help the doctor diagnose in time. It contains components of ultrasonic signal transmitter and receiver, analog signals processing unit, FHR calculating unit, LCD display control unit etc. It has 3 work modes: real-time FHR display mode, averaged FHR display mode, and manual mode. It also has audio output, and can be connected with earphone or recorder with audio input.

Main Features
◆ Beautiful shape, portable, easy operation
◆ The probe has bending structure which is easy to operate and can increase the ease of the pregnant women, embodies the humane care design
◆ Fetal heart rate values, bar graph and heartbeat waveform color screen display
◆ Alarming in red when the fetal heart rate range is out of the normal range
◆ Battery status indicator
◆ The probe can be changeable
◆ Probe inspection
◆ Built-in speaker
◆ Output for headphone
◆ Auto shut off
◆ Two pieces of standard 1.5V alkaline battery available which can work no less than 8 hours

Main performance
Anti-electroshock Type: Internally powered equipment
Anti-electroshock Degree: Type B applied part
Display: 1.77”262K TFT display
FHR Measuring Range: 50BPM ~ 240 BPM (BPM: beat per minute)
Resolution: 1 BPM
Accuracy: ±2 BPM
Power Consumption: < 0.8 W
Voltage: DC 3.0 V
Power Supply: TWO 1.5V (AA size) alkaline battery
Suitable Using Range: Suitable for use after the 12th week of pregnancy
Auto Shut-OFF: After 1 minute no signal, power off automatically
Probe:
Nominal Frequency: 2.0 MHz
Working Frequency: 2.0 MHz ± 10%
Ultrasound Output Power: P < 10 mW
Ultrasonic Output Intensity: Isata < 5 mW/cm²
Negative Peak Sound Pressure: p_ < 0.5 MPa
Working Mode: Continuous wave doppler
Effective Radiating Area of Transducer: 157 mm² ± 15%

**Physical Characteristic**
Dimension: (L) 135 mm × (W) 92 mm × (H) 29 mm
Weight: About 245 g (including batteries)

**Qualification**
Passed CE
Fetal Doppler - Baby Sound A Fetal Doppler

Instructions
Baby Sound A Pocket Fetal Doppler is a hand held equipment for detecting Fetal Heart Rate (FHR) which is specially designed for family of pregnant women to conduct daily detection of FHR by themselves. Pregnant women can operate by themselves to hear fetal heart sound and calculate FHR to realize the purpose of pre-monitoring and fetus caring.

Main Features
- The probe and main units integrated together
- Delicate and compact design, portable to use
- Particular 2 Headphone Sockets design can let expectant mother and father hear the fetal heart sound together
- High sensitive doppler probe
- Low ultrasound output intensity, much lower than the relative government standard and with high safe quality
- Low power consumption, two AAA size batteries can last more than 8 hours for continuous use (depend on battery type and volume)
- Can be connected to a computer or recorder to record the fetal heart sound with recording cable

Main performance
Anti-electroshock Type: Internally powered equipment
Anti-electroshock Degree: Type B applied part
Power Consumption: < 1 W
Voltage: DC 3.0 V
Battery Type Recommended: TWO 1.5V (AAA Size) alkaline Battery
Suitable Using Range: Suitable for use after the 12th week of pregnancy
**Probe**
Nominal Frequency: 2.0 MHz
Working Frequency: 2.0 MHz±10%
P-: < 0.5 MPa
Iob: < 10 mW/cm²
Ispta: < 50 mW/cm²
Isata: < 5 mW/cm²
Working Mode: Continuous wave Doppler
Effective Radiating Area of Transducer: 208 mm²±15%

**Physical Characteristic**
Dimension: (L) 110 mm × (W) 55 mm × (H) 16.8 mm (the space between probe culmination and upper panel is 26 mm)
Weight: About 80 g (including batteries)

**Qualification**
Passed FDA and CE
Fetal Doppler - Baby Sound B Fetal Doppler

Instructions
Baby Sound B Pocket Fetal Doppler is a hand held equipment for detecting Fetal Heart Rate (FHR) which is specially designed for family of pregnant women to conduct daily detection of FHR by themselves. Pregnant women can operate by themselves to hear fetal heart sound and calculate FHR to realize the purpose of pre-monitoring and fetus caring. Baby Sound B is a high performance model with LCD digital display.

Main Features
- The probe and main units integrated together
- Delicate and compact design, portable to use
- Particular 2 Headphone Sockets design can let expectant mother and father hear the fetal heart sound together
- High sensitive doppler probe
- Low ultrasound output intensity, much lower than the relative government standard and with high safe quality
- Low power consumption, two AAA size batteries can last more than 8 hours for continuous use (depend on battery type and volume)
- Can be connected to a computer or recorder to record the fetal heart sound with recording cable
- LCD FHR Display with high accuracy
- Screen will be locked automatically without signal for 15s, which is convenient for pregnant women to operate individually

Main performance
Anti-electroshock Type: Internally powered equipment
Anti-electroshock Degree: Type B applied part
LCD Display: 25 mm×14 mm
FHR Measuring Range: 50 - 240 BPM (BPM: beat per minute)
Resolution: 1 BPM
Accuracy: ±2 BPM
Power Consumption:< 1 W  
Voltage: DC 3.0 V  
Power Supply: TWO 1.5V (AAA size) alkaline battery  
Suitable Using Range: Suitable for use after the 12th week of pregnancy

**Probe:**
Nominal Frequency: 2.0 MHz  
Working Frequency: 2.0 MHz±10%  
Ultrasound Output Power: P < 10 mW  
Ultrasonic Output Intensity: Isata < 5 mW/cm²  
Working Mode: Continuous wave Doppler  
Effective Radiating Area of Transducer: 208 mm²±15%

**Physical Characteristic**
Dimension: (L) 110 mm × (W) 55 mm × (H ) 16.8 mm (the space between probe culmination and upper panel is 26 mm)  
Weight: About 80 g (including batteries)

**Qualification**
Passed FDA and CE
Fetal Doppler - Sonoline A Fetal Doppler

Instructions
Sonoline A Pocket Fetal Doppler is a hand-held obstetrical unit, which can be used in hospital, clinic and home for daily self-check by pregnant woman. It contains components of ultrasonic signal transmitter and receiver, analog signals processing unit etc. It has audio output and can be connected with earphone or recorder with audio input.

Main Features
◆ Battery LED indicator
◆ Low power inspection of the battery
◆ Built-in speaker
◆ Output for headphones
◆ The probe can be changeable
◆ Probe inspection
◆ Support 2MHz, 3MHz, 4MHz, 5MHz, 8MHz probes
◆ Two pieces of standard 1.5V alkaline battery available which can work no less than 10 hours.

Main performance
Anti-electroshock Type: Internally powered equipmentAnti-electroshock Degree: Type B applied partPower Consumption: < 0.8 WVoltage: DC 3.0 VPower Supply: TWO 1.5V (AA size) alkaline batterySuitable Using Range: Suitable for use after the 12th week of pregnancyProbe: Nominal Frequency: 2.0 MHzWorking Frequency: 2.0MHz ± 10%
Ultrasound Output Power: P < 10 mWUltrasound Output Intensity: Isata < 5 mW/cm²Negative Peak Sound Pressure : p_ < 0.5 MPaWorking Mode: Continuous wave dopplerEffective Radiating Area of Transducer: 208 mm² ± 15%

Physical Characteristic
Dimension: (L) 135 mm x (W) 95 mm x (H) 35 mmWeight: About 180 g (including batteries)

Qualification
Passed FDA and CE
**Instructions**
Sonoline B Pocket Fetal Doppler is a hand-held obstetrical unit, which can be used in hospital, clinic and home for daily self-check by pregnant woman. It contains components of ultrasonic signal transmitter and receiver, analog signals processing unit, FHR calculating unit, LCD display control unit etc. Sonoline B Pocket Fetal Doppler is a high performance model with (fetal heart rate) LCD digital display. It has 3 work modes: real-time FHR display mode, averaged FHR display mode, and manual mode. It has audio output and can be connected with earphone or recorder with audio input.

**Main Features**
- Battery status indicator
- Low power inspection of the battery
- Built-in speaker
- Output for headphones
- The probe can be changeable
- Probe inspection
- Backlight
- Auto shut off
- Support 2MHz, 3MHz, 4MHz, 5MHz, 8MHz probes
- Two pieces of standard 1.5V alkaline battery available which can work no less than 10 hours

**Main performance**
Anti-electroshock Type: Internally powered equipment
Anti-electroshock Degree: Type B applied part
LCD Display: 45 mm × 25 mm
FHR Measuring Range: 50 BPM ~ 240 BPM (BPM: beat per minute)
Resolution: 1 BPM
Accuracy: ± 2 BPM
Power Consumption: < 0.8 W
Voltage: DC 3.0 V
Power Supply: TWO 1.5V (AA size) alkaline battery
Suitable Using Range: Suitable for use after the 12th week of pregnancy
Auto Shut-OFF: After 1 minute no signal, power off automatically

**Probe**
Nominal Frequency: 2.0 MHz
Working Frequency: 2.0 MHz ± 10% Ultrasound Output Power: P < 10 mW
Ultrasound Output Intensity: Isata < 5 mW/cm²
Negative Peak Sound Pressure: p_ < 0.5 MPa
Working Mode: Continuous wave
doppler
Effective Radiating Area of Transducer: 208 mm² ± 15%
Physical Characteristic
Dimension: (L) 135 mm × (W) 95mm × (H ) 35 mm
Weight: About 180 g (including batteries)

Qualification
Passed FDA and CE

Optional
Oximeter - CMS50EL Pulse Oximeter

Instructions
Principle of the CMS50EL Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

Major Features
◆ Integrated with SpO₂ probe and processing display module
◆ Small in volume, light in weight and convenient in carrying
◆ Operation of the product is simple, low power consumption
◆ SpO₂ value display
◆ Pulse rate value display, bar graph display
◆ Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage
◆ Automatically power off function: when the device is under the state of measuring interface. it will automatically power off within 5 seconds if the finger falls out of probe.

Main performance
◆ Display Mode: LED display
◆ SpO₂ Measuring Range: 0%~100%, (the resolution is 1%).
◆ Accuracy: 70%~100%: ±2%, Below 70% unspecified.
◆ PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)
◆ Accuracy: ±2bpm or ±2% (select larger)
◆ Measurement Performance in Weak Filling Condition: SpO₂ and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO₂ error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).
◆ Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.
◆ Power Consumption: less than 30mA
◆ Voltage: DC 3.6V~4.2V
◆ Power Supply: Voltage 3.7 rechargeable lithium battery × 1
◆ Battery working hour: Theoretical number is 20hours.
◆ Battery working life: Charge and discharge no less than 300 times.
◆ Safety Type: Interior Battery, BF Type

Accessories
Sell in standard
◆ A hanging rope
◆ A user manual
◆ A data line
◆ A power adapter (GTM41076-0605; CMS0105)
Physical Identity

**Dimension:** 57 (L) × 32 (W) × 30(H) mm

**Weight:** About 50g (with a lithium battery)
**Instructions**
Principle of the CMS50ED Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

**Major Features**
◆ Integrated with SpO₂ probe and processing display module  
◆ Small in volume, light in weight and convenient in carrying  
◆ Operation of the product is simple, low power consumption  
◆ SpO₂ value display  
◆ Pulse rate value display, bar graph display  
◆ Pulse waveform display  
◆ The display mode can be changed  
◆ Screen brightness can be changed  
◆ Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage  
◆ Automatically power off function: when the device is under the state of measuring interface, it will automatically power off within 5 seconds if the finger falls out of probe.  
◆ Display format can be saved after power off

**Main performance**
◆ **Display Mode**: 0.96” Dual-color OLED display (blue and yellow)  
◆ **Screen Resolution**: 128*64  
◆ **SpO₂ Measuring Range**: 0% ~ 100%, (the resolution is 1%).  
◆ **Accuracy**: 70% ~ 100%: ±2% , Below 70% unspecified.  
◆ **PR Measuring Range**: 30bpm ~ 250bpm, (the resolution is 1bpm)  
◆ **Accuracy**: ±2bpm or ±2% (select larger)  
◆ **Measurement Performance in Weak Filling Condition**: SpO₂ and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO₂ error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).  
◆ **Resistance to surrounding light**: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.  
◆ **Power Consumption**: less than 30mA  
◆ **Voltage**: DC 3.6V~4.2V  
◆ **Power Supply**: Voltage 3.7 rechargeable lithium battery × 1  
◆ **Battery working hour**: Theoretical number is 20 hours.  
◆ **Battery working life**: Charge and discharge no less than 300 times.  
◆ **Safety Type**: Interior Battery, BF Type
Accessories
Sell in standard
◆ A hanging rope
◆ A user manual
◆ A data line
◆ A power adapter (GTM41076-0605; CMS0105)

Physical Identity
Dimension: 57 (L) × 32 (W) × 30 (H) mm
Weight: About 50g (with a lithium battery)
Oximeter - CMS60F/CMS60FW Pulse Oximeter

Instructions
Principle of the CMS60F Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

Major Features
◆ Small in volume, light in weight and convenient in carrying
◆ Operation of the product is simple, low power consumption
◆ Operation menu for the function setting
◆ SpO2 value display
◆ Pulse rate value display, bar graph display
◆ Pulse waveform display
◆ PI Display
◆ Screen brightness can be changed
◆ A pulse rate sound indication
◆ With measured data overruns limits and low-voltage alarm function. The upper/down alarm range can be adjustable
◆ Battery capacity indication
◆ Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage, and with alarm function
◆ With clock function
◆ Review function
◆ With data record function of multiuser, continuous record about 24 hours data for each user, and the record data can be uploaded to computer
◆ Touch key operation and locking touch key function
◆ It can be connected with adult, child, infant oximeter probe
◆ Wireless communication function (CMS60FW)

Main performance
◆ Display Mode: 2.8” TFT Color display
◆ Screen Resolution: 320*240
◆ SpO2 Measuring Range: 0%~100%, (the resolution is 1%).
◆ Accuracy: 70%~100%: ±2%, Below 70% unspecified.
◆ PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)
◆ Accuracy: ±2bpm or ±2% (select larger)
◆ Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).
◆ Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.
Voltage: DC 3.6V~4.2V
Power Supply: Voltage 3.7 rechargeable lithium battery × 1
Battery working hour: 8 hours
Battery working life: Charge and discharge no less than 500 times.
Safety Type: Interior Battery, BF Type

Accessories
Sell in standard
- a user manual
- A power adapter (GTM41076-0605; CMS0105)
- a data line
- a disk (PC software)
- An oximeter probe

Sell in addition
Other Oximeter Probe (Refer to probe application instruction for details and notice renewal)

Physical Identity
Dimension: 94.25(L) × 55.32(W) × 9.6(H) mm
Weight: About 80g (with a lithium battery)
Oximeter - CMS50G1/CMS50G2 Pulse Oximeter

Instructions
Principle of the CMS50G1/G2 Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

Major Features
◆ Integrated with SpO2 probe and processing display module
◆ Small in volume, light in weight and convenient in carrying
◆ Operation of the product is simple, low power consumption
◆ SpO2 value display
◆ Pulse rate value display, bar graph display
◆ Pulse waveform display
◆ PI Display
◆ The display mode can be changed
◆ Screen brightness can be changed
◆ A pulse rate sound indication
◆ With measured data overruns limits and low-voltage alarm function
◆ Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage, with alarm function
◆ Automatically power off function: when the device is under the state of measuring interface, it will automatically power off within 5 seconds if the finger falls out of probe.
◆ Display format can be saved after power off

Main performance
◆ Display Mode : 0.96”Dual-color OLED display
◆ Screen Resolution : 128*64
◆ SpO2 Measuring Range : 0%~100% (the resolution is 1%).
◆ Accuracy : 70%~100%: ±2%, Below 70% unspecified.
◆ PR Measuring Range : 30bpm~250bpm, (the resolution is 1bpm)
◆ Accuracy : ±2bpm or ±2% (select larger)
◆ PI Measuring Range : 0%~20%
◆ Resolution : 0.1%
◆ Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).
◆ Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.
◆ Power Consumption : less than 80mA
◆ Voltage: DC 2.6V~3.6V
◆ Power Supply: 1.5V (AAA size) alkaline batteries × 2
◆ **Battery working hour:** Theoretical number is 24 hours.
◆ **Safety Type:** Interior Battery, BF Type

**Accessories**
Sell in standard
◆ a hanging rope
◆ a user manual

**Physical Identity**
**Dimension:** 57(L) × 31(W) × 32(H) mm
**Weight:** About 50g (with the batteries)
Instructions
Principle of the CMS50DL1 Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

Major Features
◆ Integrated with SpO2 probe and processing display module
◆ Small in volume, light in weight and convenient in carrying
◆ Operation of the product is simple, low power consumption
◆ SpO2 value display
◆ Pulse rate value display, bar graph display
◆ Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage
◆ Automatically power off function: when the device is under the state of measuring interface, it will automatically power off within 5 seconds if the finger falls out of probe.

Main performance
◆ Display Mode: LED display
◆ SpO2 Measuring Range: 0%~100%, (the resolution is 1%).
◆ Accuracy: 70%~100%: ±2%, Below 70% unspecified.
◆ PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)
◆ Accuracy: ±2bpm or ±2% (select larger)
◆ Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).
◆ Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.
◆ Power Consumption: less than 25mA
◆ Voltage: DC 2.6V~3.6V
◆ Power Supply: 1.5V (AAA size) alkaline batteries × 2
◆ Battery working hour: Theoretical number is 20hours.
◆ Safety Type: Interior Battery. BF Type

Accessories
Sell in standard
◆ a hanging rope
◆ a user manual
Physical Identity
◆ Dimension: 61(L) × 36(W) × 32(H) mm
◆ Weight: About 50g (with the batteries)
Oximeter - CMS50D1 Pulse Oximeter

Instructions
Principle of the CMS50D1 Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

Major Features
◆ Integrated with SpO2 probe and processing display module
◆ Small in volume, light in weight and convenient in carrying
◆ Operation of the product is simple, low power consumption
◆ SpO2 value display
◆ Pulse rate value display, bar graph display
◆ Pulse waveform display
◆ The display mode can be changed
◆ Screen brightness can be changed
◆ Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage
◆ Automatically power off function: when the device is under the state of measuring interface, it will automatically power off within 5 seconds if the finger falls out of probe.
◆ Display format can be saved after power off

Main performance
◆ Display Mode: 0.96” Dual-color OLED display (blue and yellow)
◆ Screen Resolution: 128*64
◆ SpO2 Measuring Range: 0%~100%, (the resolution is 1%).
◆ Accuracy: 70%~100%: ±2%, Below 70% unspecified.
◆ PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)
◆ Accuracy: ±2bpm or ±2% (select larger)
◆ Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).
◆ Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%
◆ Power Consumption: less than 30mA
◆ Voltage: DC 2.6V~3.6V
◆ Power Supply: 1.5V (AAA size) alkaline batteries × 2
◆ Battery working hour: Theoretical number is 32 hours.
◆ Safety Type: Interior Battery. BF Type
**Accessories**

Sell in standard
- a hanging rope
- a user manual

**Physical Identity**
- **Dimension:** 61(L) × 36(W) × 32(H) mm
- **Weight:** About 60g (with the batteries)
Oximeter - PM60E Pulse Oximeter CO2 Apparatus

Feature
PM60E base on the intellectualized operating system flat, provide the analyse fuction of CO₂ after the patient breath out, and provide accurate data and analyse report for you Performance

Specifications
■ Display: 3.5” TFT
■ Display mode: Parameter mode & Waveform face
■ Battery:
Built in Li-Polymer, 6 hours for charging, 3.7v, 1900mah
9 hours for continous working in the mode 1 or 2
3 hours for continous working in the mode 3 or 4
4 hours for continous working in the mode 5
■ Trend Graph/Table:
Resolution from 1s, 5s, 10s, 30s, 1min, and so on. Storage of latest 96 hours trend data.
■ SpO₂ drop analysis
■ History:
Storage of latest 10000 case history in SD card.
■ Wave:
Storage of 24 hours waveform, and only the real time stored patients have waveform
■ Alarm:
Ajustable High and Low limits. Three level audible and visual alarm, latest 50 alarm information and waveform displays 8 seconds which 4 seconds are before a certain time when the alarm is turned on and 4 seconds are after appointed time when the alarm is turned on.

SPO₂
■ Measurement Range: 0 ~ 100%
■ Resolution: 1%
■ Accuracy: ±2% (70% ~ 100%)
0% ~ 69% unspecified
■ Alarm Range: 0% ~ 100%
■ Refreshing Rate: 1s
**Pulse Rate:**
- Measurement Range: 25 ~ 250 bpm
- Alarm Range: 25 ~ 250 bpm
- Resolution: 1 bpm
- Accuracy: ± 3 bpm
- Refreshing Rate: 1s

**ETCO2:**
- Measurement Range: 0 ~ 150 mmHg
- Resolution: 0.1 mmHg
- Accuracy: ± 2 mmHg
- Alarm Range: 0 ~ 150 mmHg

**AWRR:**
- Measurement Range: 0 ~ 150 bpm
- Resolution: 1 bpm
- Accuracy: ± 1 bpm
- Alarm Range: 0 ~ 150 bpm

**Components**
- Main Unit
- SpO₂ Sensor
- 1 G High Speed SD Card
- Micro Stream End Tidal CO₂ Module
Oximeter - CMS50R Pulse Oximeter

**Major Features**
- Integrated with SpO2 probe and processing display module
- Small in volume, light in weight and convenient in carrying
- Operation of the product is simple, low power consumption
- SpO2 value display
- Pulse rate value display
- With measured data overruns limits and low-voltage alarm function
- Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage, and with alarm function
- Automatically power off function: when the device is under the state of measuring interface. It will automatically power off within 5 seconds if the finger falls out of probe
- Fashion appearance, ring style

**Main performance**

Display Mode: segment LCD display

SpO2 Measuring Range: 0%~100%, (the resolution is 1%).
Accuracy: 70%~100%: ±2%, Below 70% unspecified.
PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)
Accuracy: ±2bpm or ±2% (select larger)

Measurement Performance in Weak Filling Condition:
SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).

Resistance to Surrounding Light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.
Voltage: DC 3.6V~4.2V

Power Supply: Voltage 3.6 rechargeable lithium battery × 1
Battery Working Hour: 2 hours
Battery working life: Charge and discharge no less than 300 times.
Safety Type: Interior Battery, BF Type

**Accessories**

Sell in standard:
- A user manual
- One rechargeable button lithium battery
- Charge accessories: One power adapter, one charger, one data line

**Physical Identity**

Dimension: 32(L) × 28(W) × 40(H) mm
Weight: About 14g (with a button lithium battery)
Oximeter - CMS50I/CMS50IW Pulse Oximeter

Instructions
Principle of the CMS50I Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

Major Features
- Small in volume, light in weight and convenient in carrying
- Operation of the product is simple, low power consumption
- Operation menu for the function setting
- SpO2 value display
- Pulse rate value display, bar graph display
- Pulse waveform display
- With PI display
- The display mode can be changed
- Screen brightness can be changed
- A pulse rate sound indication
- Multi-time segment storage
- With measured data overruns limits and low-voltage alarm function, the upper/down alarm range can be adjustable
- Battery capacity indication
- Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage, and with alarm function
- With SpO2 value and pulse rate value of storage, the storage data can be uploaded to computers
- Real-time data can be transmitted to computers (Only CMS50IW)
- Connected with an external oximeter probe
- Power-off: long press power button to turn off the device
- Wireless communication function (Only CMS50IW)

Main performance
- Display Mode: 1.5" Color OLED display
- Screen Resolution: 128*128
- SpO2 Measuring Range: 0%~100%, (the resolution is 1%).
  Accuracy: 70%~100%: ±2%, Below 70% unspecified.
- PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)
  Accuracy: ±2bpm or ±2% (select larger)
Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger). Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.

Power Consumption: less than 100mA
Voltage: DC 3.6V~4.2V
Power Supply: Voltage 3.7 rechargeable lithium battery × 1
Battery working hour: 10 hours
Battery working life: Charge and discharge no less than 500 times.
Safety Type: Interior Battery, BF Type

Accessories
Sell in standard
■ A user manual
■ A data line
■ A disk (PC software)
■ An adult-oximeter probe
■ Two One-off adhesive SpO2 probe
■ A power adapter (GTM41076-0605 or CMS0105)
Sell in addition
■ Other oximeter probe (Refer to probe application instruction for details and notice renewal)

Physical Identity
Dimension: 63(L) × 55(W) × 15(H) mm
Weight: About 45g (with the lithium battery)
Oximeter - CMS50QB Pulse Oximeter

Instructions
Principle of the CMS50QB Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

Major Features
■ Integrated with SpO2 probe and processing display module
■ Small in volume, light in weight and convenient in carrying
■ Operation of the product is simple, low power consumption
■ SpO2 value display
■ Pulse rate value display, bar graph display
■ Pulse waveform display
■ The display mode can be changed
■ With measured data overruns limits and low-voltage alarm function
■ Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage
■ Automatically power off function: when the device is under the state of measuring interface. it will automatically power off within 5 seconds if the finger falls out of probe.
■ Display format can be saved after power off
■ Small appearance, more fit for children

Main performance
Display Mode : 0.96" Dual-color OLED display
Screen Resolution : 128*64
SpO2 Measuring Range : 0%~100%, (the resolution is 1%).
Accuracy : 70%~100%: ±2%, Below 70% unspecified.
PR Measuring Range : 30bpm~250bpm, (the resolution is 1bpm)
Accuracy : ±2bpm or ±2% (select larger)
Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).
Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.
Power Consumption : less than 80mA
Voltage: DC 3.6V~4.2V
Power Supply: Voltage 3.6 rechargeable lithium battery × 1
Battery working hour: 6 hours
Battery working life: Charge and discharge no less than 300 times.
Safety Type: Interior Battery, BF Type
**Accessories**

*Sell in standard*
- a hanging rope
- a user manual
- One rechargeable buttony lithium battery
- Charge accessories: One power adapter, one charger, one data line

**Physical Identity**

*Dimension: 46(L) × 40(W) × 29(H) mm*
*Weight: About 35g (with a rechargeable button battery)*
Oximeter - CMS50QA Pulse Oximeter

Instructions
Principle of the CMS50QA Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

Major Features
■ Integrated with SpO2 probe and processing display module
■ Small in volume, light in weight and convenient in carrying
■ Operation of the product is simple, low power consumption
■ SpO2 value display
■ Pulse rate value display, bar graph display
■ A pulse rate sound indication
■ With measured data overrun limits and low-voltage alarm function
■ Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage and with alarm function
■ Automatically power off function: when the device is under the state of measuring interface, it will automatically power off within 5 seconds if the finger falls out of probe.
■ Small appearance, more fit for children

Main performance
Display Mode: Segment LCD display
SpO2 Measuring Range: 0%~100%, (the resolution is 1%).
Accuracy: 70%~100%: ±2%, Below 70% unspecified.
PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)
Accuracy: ±2bpm or ±2% (select larger)
Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).
Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.
Power Consumption: less than 50mA
Voltage: DC 3.6V~4.2V
Power Supply: Voltage 3.6 rechargeable lithium battery × 1
Battery working hour: 10 hours
Battery working life: Charge and discharge no less than 300 times.
Safety Type: Interior Battery, BF Type

Accessories
Sell in standard
■ a hanging rope
■ a user manual
One rechargeable buttony lithium battery
Charge accessories: One power adapter, one charger, one data line

Physical Identity
Dimension: 46(L) × 40(W) × 29(H) mm
Weight: About 35g (with a button lithium battery)
Oximeter - CMS50H Pulse Oximeter

Instructions
Principle of the CMS50H Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

Major Features
◆ Integrated with SpO2 probe and processing display module
◆ Small in volume, light in weight and convenient in carrying
◆ Operation of the product is simple, low power consumption
◆ Operation menu for the function setting
◆ SpO2 value display
◆ Pulse rate value display, bar graph display
◆ Pulse waveform display
◆ Perfusion Index value display
◆ With direction sensor, the display direction can be changed by automatic or manual mode
◆ Screen brightness can be changed
◆ A pulse rate sound indication
◆ With measured data overruns limits and low-voltage alarm function, the upper/down alarm range can be adjustable
◆ Battery capacity indication
◆ Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage, and with alarm function
◆ With SpO2 value and pulse rate value of storage, the storage data can be uploaded to computers
◆ Real-time data can be transmitted to computers
◆ Automatically power off function: when the device is under the state of measuring interface, it will automatically power off within 5 seconds if the finger falls out of probe.
◆ Can be connected with an external oximeter probe (optional)

Main performance
Display Mode: 1.3" 65K True color OLED display
◆ Screen Resolution: 128*96
◆ SpO2 Measuring Range: 0%~100%, (the resolution is 1%).
◆ Accuracy: 70%~100%: ±2%, Below 70% unspecified.
◆PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)
◆Accuracy: ±2bpm or ±2% (select larger)
◆Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).
◆Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.
◆Power Consumption: less than 100mA
◆Voltage: DC 3.6V~4.2V
◆Power Supply: Voltage 3.7 rechargeable lithium battery × 1
◆Battery working hour: 20 hours
◆Battery working life: Charge and discharge no less than 500 times.
◆Safety Type: Interior Battery, BF Type

**Accessories**

**Sell in standard**
◆ A hanging rope
◆ A user manual
◆ A data line
◆ A disk (PC software)

**Sell in addition**
A Oximeter Probe (Refer to probe application instruction for details and notice renewal)

**Physical Identity**
Dimension: 58(L) × 36(W) × 26(H) mm
Weight: About 45g (with a lithium battery)
Oximeter - CMS50D+ Pulse Oximeter

Instructions
Principle of the CMS50D+ Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

Major Features
◆ Integrated with SpO2 probe and processing display module
◆ Small in volume, light in weight and convenient in carrying
◆ Operation of the product is simple, low power consumption
◆ Operation menu for the function setting
◆ SpO2 value display
◆ Pulse rate value display, bar graph display
◆ Pulse waveform display
◆ The display mode can be changed
◆ A pulse rate sound indication
◆ With measured data overruns limits and low-voltage alarm function. the upper/down alarm range can be adjustable
◆ Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage, and with alarm function
◆ With SpO2 value and pulse rate value of storage, the storage data can be uploaded to computers
◆ Real-time data can be transmitted to computers
◆ RF Wireless communication function (option)
◆ Connected with an external oximeter probe (option)
◆ Automatically power off function: when the device is under the state of measuring interface, it will automatically power off within 5 seconds if the finger falls out of probe.

Main performance
◆ Display Mode: 0.96” Dual color OLED display
◆ Screen Resolution: 128*64
◆ SpO2 Measuring Range: 0%~100%, (the resolution is 1%).
◆ Accuracy: 70%~100%: ±2%, Below 70% unspecified.
◆ PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)
◆ Accuracy: ±2bpm or ±2% (select larger)
Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).

Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.

Power Consumption: less than 80mA

Voltage: DC 2.6V~3.6V

Power Supply: 1.5V (AAA size) alkaline batteries x 2

Battery working hour: The minimum continually work time is 24 hours, theoretical number is 32 hours.

Safety Type: Interior Battery, BF Type

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Accessories
Sell in standard
- a hanging rope
- a user manual
- a data line
- a disk (PC software)

Sell in addition
- Wireless Module
- Oximeter Probe (Refer to probe application instruction for details and notice renewal)

Physical Identity
- Dimension: 58.5(L) × 31(W) × 32 (H) mm
- Weight: About 52g (with the batteries)
Instructions
Principle of the CMS60D Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

Major Features
- Small in volume, light in weight and convenient in carrying
- Operation of the product is simple, low power consumption
- Operation menu for the function setting
- SpO2 value display
- Pulse rate value display, bar graph display
- Pulse waveform display
- Screen brightness can be changed
- Pulse rate sound indication
- With review function
- With clock function
- With measured data overruns limits and low-voltage alarm function
- Battery capacity indication
- Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage, and with alarm function
- With SpO2 value and pulse rate value of storage, the storage data can be uploaded to computers
- Real-time data can be transmitted to computers
- Connected with an external oximeter probe
- Wireless communication function (CMS60DW)

Main performance
Display Mode: 1.8” Color OLED display
Screen Resolution: 160*128
SpO2 Measuring Range: 0%~100%, (the resolution is 1%).
Accuracy: 70%~100%: ±2%, Below 70% unspecified.
PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)
Accuracy: ±2bpm or ±2% (select larger)
Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).
Resistance to surrounding light: The deviation between the value measured in the condition of man-made
light or indoor natural light and that of darkroom is less than ±1%.
Power Consumption: less than 100mA
Voltage: DC 2.6V~3.6V
Power Supply: Dry battery (2AA)
Battery working hour: Theoretical number is 44 hours.
Safety Type: Interior Battery, BF Type

**Accessories**

**Sell in standard**
- A user manual
- A data line
- A disk (PC software)
- An oximeter probe

**Sell in addition**
- Other oximeter probe (Refer to probe application instruction for details and notice renewal)

**Physical Identity**

Dimension: 110(L) × 60(W) × 23(H) mm
Weight: About 180g (with Alkaline battery (2AA))
Oximeter - CMS50DL Pulse Oximeter

Instructions
Principle of the CMS50DL Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

Major Features
◆ Integrated with SpO2 probe and processing display module
◆ Small in volume, light in weight and convenient in carrying
◆ Operation of the product is simple, low power consumption
◆ SpO2 value display
◆ Pulse rate value display, bar graph display
◆ Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage
◆ Automatically power off function: when the device is under the state of measuring interface, it will automatically power off within 5 seconds if the finger falls out of probe.
◆ Various color of cover can be selected

Main performance
◆ Display Mode: LED display
◆ SpO2 Measuring Range: 0%~100%, (the resolution is 1%).
◆ Accuracy: 70%~100%: ±2%, Below 70% unspecified.
◆ PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)
◆ Accuracy: ±2bpm or ±2% (select larger)
◆ Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).
◆ Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.
◆ Power Consumption: less than 25mA
◆ Voltage: DC 2.6V~3.6V
◆ Power Supply: 1.5V (AAA size) alkaline batteries × 2
◆ Battery working hour: Theoretical number is 20hours.
◆ Safety Type: Interior Battery, BF Type

Accessories
Sell in standard
◆ a hanging rope
◆ a user manual
Physical Identity
Dimension: 57(L) × 31(W) × 32(H) mm
Weight: About 50g (with the batteries)
**Oximeter - CMS50E Pulse Oximeter**

**Instructions**

Principle of the CMS50E Pulse Oximeter is as follows: Photoelectric Oxymoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

**Major Features**

- Integrated with SpO2 probe and processing display module
- Small in volume, light in weight and convenient in carrying
- Operation of the product is simple, low power consumption
- Operation menu for the function setting
- SpO2 value display
- Pulse rate value display, bar graph display
- Pulse waveform display
- The display mode can be changed
- Screen brightness can be changed
- A pulse rate sound indication
- With measured data overruns limits and low-voltage alarm function, the upper/down alarm range can be adjustable
- Battery capacity indication
- Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage, and with alarm function
- With SpO2 value and pulse rate value of storage, the storage data can be uploaded to computers
- Real-time data can be transmitted to computers
- Automatically power off function: when the device is under the state of measuring interface, it will automatically power off within 5 seconds if the finger falls out of probe.
- RF Wireless communication function (option) (only applied for Ver6.6R or above)
- Connected with an external oximeter probe (option) (CMS50EW, only applied for Ver6.6R or above of CMS50E

**Main performance**

- Display Mode: 1.3" 65K Color OLED display
- Screen Resolution: 128*96
- SpO2 Measuring Range: 0% ~ 100%, (the resolution is 1%).
- Accuracy: 70% ~ 100%: ±2%, Below 70% unspecified.
- PR Measuring Range: 30bpm ~ 250bpm, (the resolution is 1bpm)
- Accuracy: ±2bpm or ±2% (select larger)
- Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).
- Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.
- Power Consumption: less than 100mA
- Voltage: DC 3.6V ~ 4.2V
- Power Supply: Voltage 3.7 rechargeable lithium battery × 1
- Battery working hour: 20 hours
Battery working life: Charge and discharge no less than 500 times.

Safety Type: Interior Battery. BF Type

Accessories
Sell in standard
- a hanging rope
- a user manual
- a data line
- a disk (PC software)
- a power adapter (GTM41076-0605; CMS0105)

Sell in addition
Oximeter Probe (Refer to probe application instruction for details and notice renewal)
RF Wireless Module” (only applied for Ver6.6R or above of CMS50E)

Physical Identity
Dimension: 57(L) × 32(W) × 30 (H) mm
Weight: About 50g (with the lithium battery)
Oximeter - CMS50D Pulse Oximeter

**Instructions**
Principle of the CMS50D Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

**Major Features**
- Integrated with SpO2 probe and processing display module
- Small in volume, light in weight and convenient in carrying
- Operation of the product is simple, low power consumption
- SpO2 value display
- Pulse rate value display, bar graph display
- Pulse waveform display
- The display mode can be changed
- Screen brightness can be changed
- Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage
- Automatically power off function: when the device is under the state of measuring interface, it will automatically power off within 5 seconds if the finger falls out of probe.
- Display format can be saved after power off

**Main performance**
- **Display Mode**: 0.96" Dual-color OLED display (blue and yellow)
- **Screen Resolution**: 128*64
- **SpO2 Measuring Range**: 0%~100%, (the resolution is 1%).
- **Accuracy**: 70%~100%: ±2%, Below 70% unspecified.
- **PR Measuring Range**: 30bpm~250bpm, (the resolution is 1bpm)
- **Accuracy**: ±2bpm or ±2% (select larger)
- **Measurement Performance in Weak Filling Condition**: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).
- **Resistance to surrounding light**: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%
- **Power Consumption**: less than 30mA
- **Voltage**: DC 2.6V~3.6V
- **Power Supply**: 1.5V (AAA size) alkaline batteries × 2
- **Battery working hour**: Theoretical number is 32 hours.
- **Safety Type**: Interior Battery. BF Type
**Accessories**

Sell in standard
◆ a hanging rope
◆ a user manual

**Physical Identity**

◆ **Dimension:** 57(L) × 31(W) × 32(H) mm
◆ **Weight:** About 50g (with the batteries
**Oximeter - CMS50L Pulse Oximeter**

![CMS50L Pulse Oximeter](image)

**Instructions**
Principle of the CMS50L Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

**Major Features**
- Integrated with SpO2 probe and processing display module
- Small in volume, light in weight and convenient in carrying
- Operation of the product is simple, low power consumption
- SpO2 value display
- Pulse rate value display, bar graph display
- Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage
- Automatically power off function: when the device is under the state of measuring interface, it will automatically power off within 5 seconds if the finger falls out of probe.

**Main performance**
Display Mode: LED display
SpO2 Measuring Range: 0%~100%, (the resolution is 1%).
Accuracy: 70%~100%: ±2%, Below 70% unspecified.
PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)
Accuracy: ±2bpm or ±2% (select larger)
Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).
Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.
Power Consumption: less than 25mA
Voltage: DC 2.6V~3.6V
Power Supply: 1.5V (AAA size) alkaline batteries × 2
Battery working hour: The minimum continually work time is 24 hours, theoretical number is 56 hours.
Safety Type: Interior Battery. BF Type

**Accessories**
- Sell in standard
  - a hanging rope
  - a user manual
Physical Identity
Dimension: 66(L) × 36(W) × 33(H) mm
Weight: About 50g (with the batteries)
Oximeter - CMS50A Pulse Oximeter

Instructions
Principle of the CMS50A Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

Major Features
◆ Integrated with SpO2 probe and processing display module
◆ Small in volume, light in weight and convenient in carrying
◆ Operation of the product is simple, low power consumption
◆ SpO2 value display
◆ Pulse rate value display, bar graph display
◆ Pulse waveform display
◆ Battery capacity indication
◆ With backlight
◆ Automatically power off function: when the device is under the state of measuring interface, it will automatically power off within 5 seconds if the finger falls out of probe.

Main performance
◆ Display Mode: 1.3" LCD display
◆ Screen Resolution: 128*64
◆ SpO2 Measuring Range: 0%~100%, (the resolution is 1%).
◆ Accuracy: 70%~100%: ±2%, Below 70% unspecified.
◆ PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)
◆ Accuracy: ±2bpm or ±2% (select larger)
◆ Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is ±4%, pulse rate error is ±2 bpm or ±2% (select larger).
◆ Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.
◆ Power Consumption: Smaller than 40mA.
◆ Voltage: DC 2.6V~3.6V
◆ Power Supply: 1.5V (AAA size) alkaline batteries × 2
◆ Battery working hour: The minimum continually work time is 15 hours, theoretical number is 28 hours.
◆ Safety Type: Interior Battery, BF Type

Accessories
Sell in standard
◆ a hanging rope
◆ a user manual
Physical Identity

**Dimension:** 65(L) × 35(W) × 40 (H) mm

**Weight:** About 75g (with the batteries)