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TRANSFORMING
 Healthcare



Model No.KSS 301

(For Paediatric)



for pediatric with rechargeable battery

General Features

- Suitable only for **Paediatric and Neonate**
- **Rechargeable button lithium battery with charger**
- Beep pulse sound, Low power and Finger out alarm
- Automatic power-off when finger is not detected
- Technical Features:
 - SPO₂**
 - Measurement range : **30~99%**
 - Accuracy:
 - o **±1% for 70-99%**
 - o **Unspecified for 0~69%**
 - Alarm Range : **0-100%**
 - Pulse Rate**
 - Range : **30~255 Bpm**
 - Accuracy : **±1% or ±1 Bpm (Select Larger)**

Model No.KSS 1000 / 1001



General Features

- **With Beep Pulse Sound & Alarm For SPO₂ & Pulse Heart Rate**
- High Brightness
- **Dual colour OLED display**
- Four Viewing angles with Six level brightness adjustment
- **Auto shut-off function (when finger is out)**
- Attractive and durable outer Paper Box

Model No.KSS401/701



Note: FTP 701 uses rechargeable batteries & it does not contain Software & Alarm

General Features

- **Rechargeable lithium battery with charger**
- Audio and Visual Alarm
- **Software to interface with PC (throughUSB) (Only for FTP 401)**
- Color OLED Graphic Display
- True color **OLED** with 4 Direction Display
- **Battery Voltage Indication Color OLED Graph**

Technical Features

- SPO₂**
- Measurement range: **30~99%**
- Accuracy :
 - o **±1% for 70-99%**
 - o **Unspecified for 0~69%**
- Alarm Range : 0-100%
- Pulse Rate**
- Range: **30~255 Bpm**
- Accuracy: **±1% or ±1 Bpm (Select Larger)**

OPTIONAL: Wireless Communication for FTP 401



With Beep Pulse Sound & Alarm For SPO₂ & PR



Aluminum Tin & Pouch

Technical Features

- Display Mode: Large and Colour OLED Display
- Power Supply: **2 X AAA size Alkaline Battery - 1.5V**
- Working Current: $\leq 40\text{mA}$
- **SPO₂**
 - Measuring Range: **35 - 99%**
 - Resolution: **±1%**
 - Accuracy: **±2%**
- **Pulse Rate:**
 - Measuring Range: **30 - 240bpm**
 - Resolution: **±1%**
 - Accuracy: **±2%**
- Net weight: 65gm
- Battery Life: **25hrs for normal patients**

Model No	FTP 1000	FTP 1001
Packing Details	Paper Box With Hanging String	Tin Box with Soft Carrying Pouch and Hanging String

Model No. KSS201



General Description

- **Bright, Easy-to-Read Large LED display**
- **Durable, Compact and Light weight**
- Audible / Visual Alarms with adjustable alarm limits
- Continuous Monitoring and Spot-Check
- **Suitable for Adult and Paediatric**
- Four Standard "AA" Size **Rechargeable batteries with charger Dock**
- Battery Backup=**12 Hours**

Alarm Indicators

- Audible and Visual Alarm for **High / Low** SPO₂ and Pulse Rate
- Alarm Limits Adjustable
- Alarm Silence Interval : **30, 60, 90 and 120 sec**
- **Sensor Disconnect Alarm**
- **Low – Battery warning Indicator**

Technical Features

SPO₂

- Measurement Range: **0~100 %**
- Accuracy:
 - o **±2% during 70-100%**
 - o **unspecified during 0-69%**

Pulse Rate

- Measurement Range : **30~250 bpm**
- Accuracy : **1bpm or ±2% (select the larger)**

Model No. KSS301



General Features

- 1.8" TFT Colour LCD
- Simple and Convenient
- **Light weight, low power consumption**
- **Display**
Numeric: SPO₂, Pulse Rate
Bar Graph Pulse Rate
Waveform: Pulse rate
- **Battery backup: Up to 26 hrs**
- **Charging time: 4 hrs**

Technical Specification

SPO₂

- Measure range: **0-100%**
- Accuracy: ±2% (70-100%), Unspecified (below 70%)
- Resolution: 1%
- Adjustable Alarm Range: 0-100%

Pulse Rate

- Measure Range: **30-250bpm**
- Accuracy: ±2bpm or ±2% (Select Larger)
- Resolution: 1bpm
- Adjustable Alarm Range: 0-254 bpm

Optical Sensors

- **Red Light (wavelength is 660nm, 6.65mW)**
- **Infrared (wavelength is 880nm, 6.75mW)**
- OPTIONAL : Real time data can be transmitted to computer using software , Wireless transmission function**

Model No.KSS 101



Two Parameters: SPO₂, PR, NIBP

Technical Features

- SPO₂**
- Measurement range : 0~100%
 - Accuracy:
 - ±2% for 70-100%
 - Unspecified for 0~69%
 - Alarm Range : 0-100%
- Pulse Rate**
- Range: 30~250 Bpm
 - Accuracy: ±2% or ±2 Bpm (Select Larger)
- NIBP**
- Method : Oscillometry
 - Operation Mode : Manual / Automatic / Continuous
 - Measurement Range: 10~270 mmHg
 - Auto Measure Time : 1~255 min adjustable, interval of 5 mins
 - Alarm for High and Low systolic and diastolic Blood Pressure

General Features

- 7 segment LED for Systolic Pressure, Diastolic Pressure, SPO₂ and Pulse Rate
- 2.4" color LCD for Waveforms, Bar Graphic, Trend and System Menu
- Compact and Portable, allowing for uninterrupted monitoring with built in battery
- High bright LED's display of NIBP, SPO₂ and Pulse Rate
- High resolution color LCD for trend tabular and SPO₂ waveforms display
- Adjustable audible and visual alarms
- Up to 2000 groups of NIBP and 10 hrs of SPO₂ data can be stored
- Suitable for Adult, Paediatric and Neonatal patient

Model No.KSS201



Two Parameters: SPO₂, PR, NIBP

Technical Features

- SPO₂**
- Measurement range : 0~100%
 - Accuracy:
 - ±2% for 70-100%
 - Unspecified for 0~69%
 - Alarm Range : 0-100%
- Pulse Rate**
- Range: 30~250 Bpm
 - Accuracy: ±2% or ±2 Bpm (Select Larger)
- NIBP**
- Method : Oscillometry
 - Operation Mode : Manual / Automatic / Continuous
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General Features

- 7 segment LED for Systolic Pressure, Diastolic Pressure, SPO₂ and Pulse Rate
- 2.8" color LCD for Waveforms, Bar Graphic, Trend and System Menu
- Compact and Portable, allowing for uninterrupted monitoring with built-in battery
- High resolution color LCD for trend tabular and SPO₂ waveforms display
- High resolution color LCD for trend tabular and SPO₂ waveforms display
- Adjustable audible and visual alarms
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- Suitable for Adult, Paediatric and Neonatal patient

Model No.KSS301



Single Parameter: SPO₂ & PR

Technical Features

Measurement of SPO₂

- Measure Range: **0-100%**
- Accuracy: When the SPO₂ Measure range is 70-100%, the permission of absolute error is $\pm 2\%$
- Below 70% unspecified

Measurement of Pulse Rate

- Measure Range: **30 – 250bpm**
- Accuracy: ± 2 bpm or $\pm 2\%$ (Select larger)

Measurement of PI

- Measure range: **0-20%**
- When the PI measure range is 1-20%, the permission of absolute error is $\pm 1\%$
- When the PI measure range is 0-0.9%, the permission of absolute error is $\pm 0.2\%$

Resolution

- SPO₂: 1% • Pulse Rate : 1bpm • PI 0.1%

Measurement Performance in weak filling condition

- SPO₂ and Pulse Rate value can be shown correctly when pulse-filling ratio is 0.4%
- SPO₂ error is $\pm 4\%$, Pulse rate error is ± 2 bpm or $\pm 2\%$ (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 $\pm 1\%$

Operating Voltage

- Internal power supply: 3.6V DC – 4.2V DC
- Exterior alternating current supply: 100-240V AC, 50/60 Hz

OPTIONAL: **NELLCOR** technology for SPO₂, Software

Model No.KSS8400



MP 8400 (3/5 Para)

Technical Specifications

SPO₂

- Measurement Range: **0-100%**
- Accuracy **70-100%, $\pm 2\%$ & 0-69%, Unspecified**

Pulse Rate PR

- Range: **20-254 bpm** • Accuracy: ± 3 bpm

NIBP

- Method: Oscillometric
- Modes: **Manual / Auto / Continuous**
- Auto Measure time: Adjustable
- Measurement Range: **10-270 mmHg**

ECG

- Lead Mode: 3 lead or 5 lead
- Lead Selection: **I, II, III, avR, avL, avF and v**
- Heart Rate Range:
 - Adult: **35-300 bpm**
 - Paediatric / Neonatal: **15-300 bpm**
- **ECG Waveform: 2 Channels**

- Accuracy: ± 1 bpm or $\pm 1\%$, whichever is greater
- S-T segment detection:

Measurement range: **0.2 mv ~ 2.0mv**

Respiration (Optional)

- Method: RA-LL impedance

Range :

- Adult: **0-120 breathe / min**
- Paediatric / Neonatal: **0-150 breathe / min**

Apnea Alarm: 10 ~40 s

Temperature (Optional)

- Range: **0-50°C** • Accuracy: $\pm 0.1^{\circ}\text{C}$

General Features:

- Alarm: Audible and visual alarm, alarm events review
- High Resolution with screen size: **8.4"** color TFT display
- Light weight, compact and portable
- Built-in rechargeable lithium battery
- ECG waveforms of 7 lead display on the same screen
- **72-hours graphic and tabular trends of all the parameters**
- **72 alarm events** of all parameters recall
- **32 seconds** full-disclosure waveform review
- **500 NIBP measurement data can be stored and recall**
- Data and waveforms color can be stored and recall
- **Arrhythmia analysis and S-T Segment analysis**
- Suitable for **Adult, Paediatric and Neonatal Patients**

OPTIONAL: EtCO₂, IBP, Printer and Networking, Central Monitoring Software & Cable

Model No. KSS 1210/1201



MP 1210 (5 Para)

MP 1201 (5 Para)

General Features:

- Alarm: Audible and visual alarm, alarm events review
- High Resolution with screen size: **12.1"** color TFT display
- **Touch Screen (Optional Only for MP 1201)**
- Light weight, compact and portable
- Built-in rechargeable lithium battery
- ECG waveforms of 7 lead display on the same screen
- **72-hours graphic and tabular trends of all the parameters**
- **72 alarm events** of all parameters recall
- **32 seconds** full-disclosure waveform review
- **500 NIBP measurement data can be stored and recall**
- Data and waveforms color can be stored and recall
- **Arrhythmia analysis and S-T Segment analysis**
- Suitable for **Adult, Paediatric and Neonatal Patients**

OPTIONAL: **NELLCOR** SPO₂, EtCO₂, IBP, Printer and Networking, Central Monitoring Software & Cable

Technical Specifications**SPO₂**

- Measurement Range: **0-100%**
- Accuracy **70-100%, ±2% & 0-69%, Unspecified**

Pulse Rate PR

- Range: **20-254 bpm** • Accuracy: **±3 bpm**

NIBP

- Method: Oscillometric
- Modes: **Manual / Auto / Continuous**
- Auto Measure time: Adjustable
- Measurement Range: **10-270 mmHg**

ECG

- Lead Mode: 3 lead or 5 lead
- Lead Selection: **I, II, III, avR, avL, avF and v**
- Heart Rate Range:
 - Adult: **35-300 bpm**
 - Paediatric / Neonatal: **15-300 bpm**
- **ECG Waveform: 2 Channels**
- Accuracy: **±1 bpm** or **±1%**, whichever is greater
- S-T segment detection:
 - Measurement range: **0.2 mv ~ 2.0mv**

Respiration

- Method: RA-LL impedance
- **Range :**
 - Adult: **0-120 breathe / min**
 - Paediatric / Neonatal: **0-150 breathe / min**
- Apnea Alarm: 10 ~40 s

Temperature

- Range: **0-50°C** • Accuracy: **± 0.1°C**

Model No. KSS1200



MP 1200 (5 Para)

Technical Specifications**SPO₂**

- Measurement Range: **0-100%**
- Accuracy **70-100%, ±2% & 0-69%, Unspecified**

Pulse Rate PR

- ECG Range: **15-350 bpm**
- ECG Accuracy: **±1 bpm** or **1%** whichever is greater
- SPO₂ Range: **20-300 bpm**
- SPO₂ Accuracy: **± 3 bpm**

NIBP

- Method: Oscillometric
- Modes: **Manual / Auto / Continuous**
- Auto Measure time: Adjustable
- Measurement Range: **40-270 mmHg**

ECG

- Lead Mode: 3 lead or 5 lead
- Lead Selection: **I, II, III, avR, avL, avF and v**
- Heart Rate Range:
 - Adult: **35-300 bpm**
 - Paediatric / Neonatal: **15-300 bpm**
- **ECG Waveform: 2 Channels**
- Accuracy: **±1 bpm** or **±1%**, whichever is greater
- S-T segment detection:
 - Measurement range: 0.2 mv ~ 2.0mv

Respiration

- Method: RA-LL impedance
- **Range:**
 - Adult: **7-120 breathe / min**
 - Resolution: **1 breathe / min**
 - Accuracy: **± 2 breathe / min**
- **Temperature**
 - Range: **0-50°C** • Accuracy: **± 0.1°C**

General Features:

- **12.1"** color TFT LCD display with multi-channel waveform display
- Rechargeable high energy built in Li battery
- Easy to learn, easy to use – simplified menus and dedicated function keys
- Easy connecting with central monitoring system
- **96 hours data storage**
- Suitable for **Adult, Paediatrics and Neonates**

OPTIONAL: **MASIMO** SPO₂, EtCO₂, IBP and Networking, Printer and Touch Screen, Central Monitoring Software & Cable

Model No. KSS 1500



MP 1500 (5 Para)

Technical Features

- Display: **15" High brightness TFT LCD**
- Audio and Visual alarm – Adjustable
- **Touch Screen (Optional)**
- Built-in memory
- **USB device storage**
- **480 Hrs tabular** and graphic trends and data storage
- **120 seconds** full-disclosure freeze waveform review
- **72 hrs** ECG waveform data storage and review
- **2400 pcs** of NIBP measurement data can be stored and recall
- **100 pcs** of ARR alarms data can be stored and recall
- **100 pcs** of regular alarms data can be stored and recall
- **ECG waveform of 7 leads display in one screen**

- ECG waveform step display
- Built-in rechargeable lithium battery
- **Built-in recorder**
- Network capacity
- **Big Font display**
- **HRV, Analysis of Heart Rate Variability**
- Standard Parameters: ECG, RESP, NIBP, SPO₂, TEMP, RR
- **OPTIONAL : IBP, EtCO₂, Recorder, Connection modes: Rj45, Wireless, Central monitoring and view bed, Software can be updated by network or USB**

Other parameters are same as MP 1210/1201



Disposable IBP Kit

EtCO₂

Mainstream

- **Long-term ventilator management**
- Verifying proper ET tube placement
- Confirming ET tube stability during transport

Sidestream

- **Monitoring the effects of pain-controlled analgesia**
- Monitoring respiratory efforts during procedural sedation
- Safety monitors post-extubation
- Screening tool in the ED for respiratory complications such as asthma



IBP Module



ETCO₂ (SIDE STREAM) Module



Reusable IBP Extension Cable



ETCO₂ (MAIN STREAM) Module

IBP

Features

- Measure Range
 - **ART 0 ~ 40 (Kpa)** • **PA -0.8 ~ 16 (Kpa)**
 - **CVP / RAP / LAP / ICP -1.3 ~ 5.3 (Kpa)**
 - **P1 - P2 -1.3 ~ 40 (Kpa)**
- Zero Calibration: Every Time, Periodic Calibration or the time when using the new sensor
- Sensitivity: **5µV/V/mmHg**
- Resolution: **1 mmHg**
- Accuracy: **±2% or 1 mmHg** (Select Larger)
- Measure: Single or Dual
- Parameters: **ART Arterial Blood Pressure, PA Pulmonary Arterial Pressure, CVP Center Venous Pressure, RAP Right Atrial Pressure, LAP Left Atrial Pressure, ICP Intracranium Pressure, P1-P2 Expand Pressure**

Model No. KSS101



Time Volume Mode

General Features

- **Time Volume mode**
- Indicating the remaining time of injection, automatic check, injector specifications, KVO functions, total indication of transfusion, quickfeed / prime function, battery capacity demonstration
- Applicable to all brands of disposable syringe
- Clear-displaying on LCD screen remaining line of injection
- Automatically controlling syringe moving speed in accordance with specific volume and time presented for each injection
- **Weight: 2.3Kg**

Technical Specifications

- Power Supply
- AC : Working Voltage : **AC 100 V~240**
Frequency : **50 Hz/60 Hz**
 - DC : Inner Power of 10.8V, Internal rechargeable **NaMh battery,**
Applicable Syringe
All brands of disposable syringes by volume of **10ml, 20ml, 30ml & 50ml** Power Supply
- Flow rate option**
- **0.1 ~ 600ml / h in 0.1ml / h (50ml injector)**
 - **0.1 ~ 400ml / h in 0.1ml / h (30ml injector)**
 - **0.1 ~ 300ml / h in 0.1ml / h (20ml injector)**
 - **0.1 ~ 200ml / h in 0.1ml / h (10ml injector)**
- Total Infused Volume: **0.1 ~ 999.9ml in 0.1ml increments**
- Accuracy: Actuation Accuracy $\leq \pm 1\%$, Infusion Accuracy: $\pm 3\%$

Quick Feed

- **200ml (10ml injector)**
 - **300ml (20ml injector)**
 - **400ml (30ml injector)**
 - **600ml (50ml injector)**
- Occlusion Pressure : **Low, Medium and High** (Adjustable)
- Audible & Visual Alarm** : Near empty, Empty, Occlusion, remove, low battery exhausted, device disengaged, motor trouble, falling of the injector AC power fail

Model No.KSS201



Rate, Time Volume & Dosage Weight Mode

General Features

- Three work modes : **Rate mode, Time Volume mode, Dosage Weight mode**
- Three levels of occlusion : **high, medium and low**
- **Audible and visual alarm** for occlusion, empty, near empty, low battery, end of injection, syringe loose, wrong setting etc.
- HD LCD Display, high capacity words, friendly user interface, dynamically display working status
- Compatible with **10ml, 20ml, 30ml, 50/60ml** syringe of any brands after correct calibration
- Preset solution volume to greatly reduce the workload of nurses;
- **Purge and Bolus** function
- **KVO (keep-vein-open)** automatically opens as injection is completed
- **Freely Stackable: freely stack one syringe pump onto another to provide multiple solutions, which have a wide range of clinical applications**
- One-key operation makes setup easy and simple; Syringe Plunger Grabble Detector, operable with one hand in a No-Germ Environment

Technical Specifications

- Injection Rate :
- 50/60ml Syringe : 0.1ml/h~999.9ml/h (0.1ml/h step)**
1,000ml/h~1,500ml/h (1ml/h step)
 - 30ml Syringe: 0.1ml/h~900.0ml/h (0.1ml/h step)**
 - 20ml Syringe: 0.1ml/h~600.0ml/h (0.1ml/h step)**
 - 10ml Syringe: 0.1ml/h~300.0ml/h (0.1ml/h step)**
- Flow Rate Accuracy : Within $\pm 3\%$ (after correct calibration)
- Mechanical Precision : Within $\pm 2\%$
- Bolus Rate : **50/60ml Syringe : 1,200ml/h**
30 ml Syringe : 720ml/h
20 ml Syringe: 480ml/h
10 ml Syringe: 240ml/h
- Purge Rate : **50/60ml Syringe: 1,500ml/h**
30ml Syringe: 900ml/h
20ml Syringe: 600ml/h
10ml Syringe: 300ml/h
- KVO Rate** : 0.1ml/h~5ml/h (0.1ml/h step)
- Volume Limit** : 0.1ml~999.9ml
- Total Injection Volume** :
0.1ml~9999.9ml (0.1ml step)

Occlusion:

- High** : 800mmHg \pm 200mmHg(106.7kPa \pm 26.7kPa)
 - Medium** : 500mmHg \pm 100mmHg (66.7kPa \pm 13.3kPa)
 - Low** : 300mmHg \pm 100mmHg (40.7kPa \pm 13.3kPa)
- Alarms**: Injection is blocked, Injection finish, Injection soon finish, Limited finished, FF injection, Syringe falls off, Syringe improperly installed, Wrong setting, AC power has been pulled out, Low battery, Forget to operate, etc.
- Power Source** : 100~240Vac, 50/60Hz; Internal rechargeable **Li battery**, capacity $\geq 1,600$ mAh, voltage=11.1V, 4 hours backup time at the rate of 5ml/h (appointed medium rate in GB 9706.27-2005) for the new battery charged for 12 hours.
- Weight: 2.2 Kg**
- OPTIONAL** : Drug Library (store 2000pcs injection records), Wall mounting stand

Model No. IP 201

Model No. ECG 100



Digital Single Channel ECG

General Features

- **Work mode: ml/h and drop/min, and these two modes can switch freely**
- Audible and visual alarm for **occlusion, low battery, infusion finish, door open, wrong setting etc.**
- **HD LCD Display, high capacity words, friendly user interface, dynamically display working status**
- Compatible with any brand of infusion sets after correct calibration
- Preset solution volume to greatly reduce the workload of nurses
- Three levels of occlusion: **high, medium and low**
- **Purge function**
- **KVO (keep-vein-open)** automatically opens as infusion is completed
- Power Source: 100~240Vac, 50/60Hz; Internal Battery

General Features

- **Output system: High resolution thermal-array (8 dots/mm), non-adjustable**
- The device can record single channel ECG waveform and can remark the lead sign, sensitivity, paper speed and filter state
- **Mode of printing : Automatic / Manual**
- Power Supply: AC/DC, Rechargeable lithium battery
- **Memory: 150 pieces of ECG waveform, and works 90 mins continuous after full battery charge**
- Portable, Light weight and sturdy look
- **Digital signal processor for effective inhibition of AC, EMG and DFT, receive the better ECG waveform**

Technical Specifications

- Infusion Rate: **1ml/h~1,200ml/h**
- Flow Rate Accuracy: Within $\pm 5\%$ (after correct calibration)
- Mechanical Precision: Within $\pm 2\%$
- Purge Rate: **100ml/h~1,200ml/h (100ml/h step)**
- KVO Rate: **1ml/h~5 ml/h (1ml/h step)**
- Infusion Volume: **1ml~9999ml**
- Total Infusion Volume: **0.1ml~9999.9ml**
- Occlusion:**
 - High: 800mmHg ± 200 mmHg (106.7kPa ± 26.7 kPa)**
 - Medium: 500mmHg ± 100 mmHg (66.7kPa ± 13.3 kPa)**
 - Low: 300mmHg ± 100 mmHg (40.7kPa ± 13.3 kPa)**
- Alarms :** Tube is blocked; There are bubbles; Close the door; Infus finish; Wrong setting, Low battery, AC power has pulled out; Purge; Data recovering; Data processing; BOLUS running; Forget to operate, etc.

Power Source : 100~240Vac, 50/60Hz; Internal rechargeable Li battery, capacity $\geq 1,600$ mAh, voltage=11.1V, 4 hours backup time at the rate of 25ml/h (appointed medium rate in GB 9706.27-2005) for the new battery charged for 12hours.

Bubble Detector : Ultrasonic wave detector;

Detection Sensitivity $\geq 25\mu\text{L}$

Weight : 1.8kg

OPTIONAL :Drug Library (store 2000pcs infusion records), Wall mounting stand

Technical Specifications

- **2.7" LCD Display**
- Normal work environment
 - Operation
 - Environment temperature : **$+5^{\circ}\text{C} \sim +35^{\circ}\text{C}$**
 - Relative Humidity : **$\leq 80\%$**
 - Power Supply
 - **AC: 100 ~ 240V, 50/60 Hz**
 - **DC: 7.4V, 2000 mAh rechargeable lithium battery**
 - Atmospheric Pressure: 86kPa ~ 106kPa
- Store and Transportation
 - Environment temperature : **$-40^{\circ}\text{C} \sim 55^{\circ}\text{C}$**
 - Relative Humidity: **$\leq 95\%$**
 - Atmospheric Pressure : **50kPa ~ 106kPa**
- Input way : Floating and defibrillation protection
- Lead : **12 leads**
- Patient leak current : **$\leq 10\mu\text{A}$**
- Input impedance : **$\geq 50\text{M}\Omega$**
- Frequency response : **0.05Hz ~ 150Hz (-3 dB ~ 0.4 dB)**
- Time Constant : Time **$\geq 3.2\text{s}$**
- CMRR: **$\geq 60 \text{ dB}, \geq 100 \text{ dB (Add filter)}$**
- EMG interference filter : **35Hz (-3dB)**
- Recording way : **Thermal printing system**

- Specification of recording paper: **50 (W) X 20 (L) mm High speed thermal paper**
- Paper speed: **25mm/s, 50mm/s, error: $\pm 5\%$**
- Sensitivity choice: **5, 10, 20 mm/mV, error: $\pm 5\%$**
Standard sensitivity is 10 mm/mV ± 0.2 mm/mV
- Recording :
 - **Auto-record :** according to the record format and auto-mode to set, auto leads-changing, auto measurement
 - **Manual-record :** according to the record format to record, manual leads-changing
- Classification : **Class I, CF applied part**
- Enduring polarization voltage: **$\pm 300 \text{ mV}$**
- Noise level: **$\leq 15\mu\text{Vp-p}$**
- Fuse Specification: 2pcs $\phi 5 \times 20$ mm AC time lags; T1.6AL250V (Power Supply: 220V)
- Size : **315(L) X 215(W) X 77(H) mm**
- Net Weight : **1.5Kg**

OPTIONAL : Software for interface

Three Channel ECG

Model No. ECG 300



Digital Three Channel ECG

color display with interpretation

Technical Features

- 3.5" Color LCD (Touch Screen Optional)
- Power Supply
 - AC: 110 ~ 240V, 50/60 Hz
 - DC: 7.4V, 3700 mAh rechargeable lithium battery
- Input way: Floating and defibrillation protection
- Lead: 12 leads
- Patient leak current: $\geq 10\mu\text{A}$
- Frequency response: 0.05Hz ~ 150Hz (-3 dB ~ 0.4 dB)
- Time Constant: Time $\geq 3.2\text{s}$
- CMRR: $\geq 60\text{ dB}$, $\geq 100\text{ dB}$ (AdZd filter)
- EMG interference filter: 35Hz (-3dB)
- AC Filter: 50/60 Hz
- Sampling rate: 1000 Hz
- Recording way: Thermal printing system (32 spots/mm)
- Specification of recording paper: 80mm (W) X 20m (L)
High speed thermal paper
- Paper speed:
 - Auto Record: 25mm/s, 50mm/s
 - Manual Record: 5, 10, 25, 50mm/s
 - Rhythm Record: 25mm/s, 50mm/s
- Sensitivity choice: 5, 10, 20 mm/mV, error: $\pm 5\%$
Standard sensitivity is 10 mm/mV ± 0.2 mm/mV

- Classification: **Class I, CF applied part**
- Enduring polarization voltage: $\pm 500\text{ mV}$
- Fuse Specification: 2pcs $\phi 5 \times 20\text{mm}$ AC time lags; T1.6AL250V (Power Supply: 220V)
- Size: 315(L) X 215(W) X 77(H) mm
- Net Weight: 1.7 Kg
- **Auto Interpretation**
- Printing Modes: 4, 3+1(rhythm), 3, 2+1(rhythm), 2, 3(Limbs)+2(Chest)+1(rhythm), 3(Limbs)+2(Chest), 1+1(rhythm), 1, rhythm 4, rhythm 3, rhythm 2 and **Manual**
- Measurement Parameter: HR, P-R interval P Duration, QRS Duration, Q Interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5) + S(V1)
Optional : Touch Screen and Software for Interface

General features

- Simultaneous display of 3/6/12 leads ECG waveform, and the state of printing mode, sensitivity, speed, filter etc to be easy for interpretation
- Memory: 150 pieces of ECG waveform and works 90 mins continuous after full battery charge.
- **Storage: ≥ 1000 cases**

Six Channel ECG

Model No. ECG 600



Digital Six Channel ECG

Technical Features

- 7" TFT LCD with Touch Screen
- Power Supply
 - AC: 110 ~ 240V, 50/60 Hz
 - DC: 7.4V, 3700 mAh rechargeable lithium battery
- Input way: Floating and defibrillation protection
- Lead: 12 Leads
- Patient leak current: $\leq 10\mu\text{A}$
- Frequency response: 0.05Hz ~ 150Hz (-3 dB ~ 0.4 dB)
- Time Constant: Time $\geq 3.2\text{s}$
- CMRR: $\geq 60\text{ dB}$, $\geq 100\text{ dB}$ (Add filter)
- EMG interference filter: 35Hz (-3dB)
- AC Filter: 50/60 Hz
- Sampling rate: 1000 Hz
- Recording way: Thermal printing system (32 spots/mm)
- Specification of recording paper: 110mm (W) X 20m (L)
High speed thermal paper
- Paper speed:
 - Auto Record: 25mm/s, 50mm/s,
 - Manual Record: 5, 10, 25, 50mm/s
 - Rhythm Record: 25mm/s, 50mm/s
- Sensitivity choice: 5, 10, 20 mm/mV, error: $\pm 5\%$
Standard sensitivity is 10 mm/mV ± 0.2 mm/mV

- Classification: **Class I, CF applied part**
- Enduring polarization voltage: $\pm 500\text{ mV}$
- Fuse Specification: 2pcs $\phi 5 \times 20\text{mm}$ AC time lags; T1.6AL250V (Power Supply: 220V)
- Size: 315(L) X 215(W) X 77(H) mm
- Net Weight: 2.25 Kg
- **Auto Interpretation**
- Printing Modes: 4, 3+1(rhythm), 3, 2+1(rhythm), 2, 3(Limbs)+2(Chest)+1(rhythm), 3(Limbs)+2(Chest), 1+1(rhythm), 1, rhythm 4, rhythm 3, rhythm 2 and **Manual**
- Measurement Parameter: HR, P-R interval P Duration, QRS Duration, Q Interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5) + S(V1)
Optional Software for Interface

General features

- Simultaneous display of 3/6/12 leads ECG waveform, and the state of printing mode, sensitivity, speed, filter etc to be easy for interpretation
- Memory: 150 pieces of ECG waveform and works 90 mins continuous after full battery charge.
- **Storage: ≥ 1000 cases**

Model No. ECG 1200



Digital twelve channel ECG

Technical Specifications

- Inputting Circuit: floating Circuit Input
- Inputting Impedance: $\geq 2.5 \text{ M}\Omega$
- Inputting Circuit Current: $\leq 0.1\mu\text{A}$
- Frequency Response: **0.05-250Hz**
- Patient Leakage Current: $\leq 10\mu\text{A}$
- Time Constant: $\geq 3.2\text{s}$
- Heart rate Range: **30 ~ 300 bpm**
- Sensitivity: **1.25, 2.5, 5, 10, 20, 10/5, 20/10 mm/mV and Auto Gain**
- Paper Speed: **5, 6.25, 10, 12.5, 25, 50 mm/s $\pm 3\%$**
- Operation Mode: **Automatic, Manual, Rhythm, Trigger, Economic, Upload and Cycle**
- Acquisition Time: **10 Sec**
- Recording Paper: **210mm x 140mm x 140 p, Z-fold paper**
- Report Auto saved
- Filter Setting:
 - a) **Baseline Wander Filter:** 0.01/ 0.02/ 0.05/ 0.35/ 0.5/ 0.8 Hz
 - b) **EMG Filter:** 25/ 35/ 75/ 100/ 150/ 250 Hz
 - c) **AC Filter:** 50 Hz, 60 Hz

- Power Requirements: AC - 100~240V, 50/60Hz, 70VA
DC – 14.8V rechargeable Li-ion Battery
- Safety Class: IEC Class I, type CF
- Dimension: 360mm x 325mm x 86mm (L x W x H)
- Net Weight: **6.6kg**

General features

- **7 – Inch TFT LCD**
- **The data can be stored in PDF format from the machine itself for easy access in computer without software**
- 12 Leads simultaneous acquisition and display
- Various work modes satisfy different requirements
- **Up to 3000 files can be store**
- Auto trigger printing once arrhythmia is detected
- **Economy mode help to reduce printing cost**
- **Built in li-ion battery up to 3 hours continuous working**
- Waveform display mode
 - (a) Same Screen Display
3*4, 3*4+1R, 6*2, 6*2+1R, 12*1
 - (b) Split Screen Display
3*4, 3*4+1R, 6*2, 6*2+1R
- **OPTIONAL : Communicate with PC via RS 232 interface and Software for editing.**

Model No. ECG 1201



Digital twelve channel ECG

Technical Specifications

- **8” TFT LCD with Touch screen**
- Input way: Floating and Defibrillation Protection
- **Lead: Standard 12 leads**
- Patient leak current: $\leq 10\mu\text{A}$
- Input Impedance: $\geq 50\text{M}\Omega$
- Frequency Response: **0.05-150Hz (-3dB)**
- Time Constant: $\geq 3.2\text{s}$
- CMRR: $\geq 60\text{dB}$, $\geq 100\text{db}$ (Adding Filter)
- EMG Interference Filter: 35Hz (-3dB)
- Recording way: Thermal Printing System
- **Paper Size: 210mm (W) x 20m (L) high speed thermal paper**
- **Paper Speed:**
 - **Auto Record** - 25mm/s, 50mm/s, error $\pm 5\%$ (Record setup according to auto record format and mode, automatically changing leads, measuring and analysing.)
 - **Rhythm Record** - 25mm/s, 50mm/s, error $\pm 5\%$ (Record setup according to auto record format and mode, automatically measuring and analysing.)

- **Manual Record** - 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s, error $\pm 5\%$ (Record setup according to auto record format and mode, manual changing leads.)
- Sensitivity Selection: 5,10,20,40 mm/mV, error $\pm 5\%$. Standard sensitivity is 10mm/mV $\pm 0.2\text{mm/mV}$
- Measurement parameters: **HR, P-R interval, P duration, QRS duration, T duration, Q-T interval, Q-Tc, P Axis, QRS Axis, T Axis, R(VS), S(V1), R(VS)+S(V1)**
- Product Safety Type: Class I CF applied part, there is defibrillation and pacing protection circuit in it
- Ending Polarization voltage: $\pm 500\text{mV}$
- Noise Level: $\leq 15\mu\text{Vp-p}$
- Size: **334mm(L) X 320mm(W) X 85mm(H) Paper Roll**
- **Power Supply:**
AC 100-240V, 50/60 Hz
DC 14.8V, 3700mAh rechargeable Lithium Battery
- **OPTIONAL : Communicate with PC via RS 232 interface and Software**

Model No. DF 201



With ECG

General

- Display: 7" Colour TFT
- Input: 150-276 VAC, 50 Hz
- Output: 17V@4A
- Battery: 11.1V, 4Ah Lithium Battery, Rechargeable
- LED Indicator: Low battery and battery Charging
- Power Consumption: 30 Watts (Max) in ECG mode
- Operating Temp: -5°C to +50°C
- Humidity: up to 95% non condensing

DEFIB

- Operating Mode: Manual
- Waveform: Biphasic
- **Energy: 2 to 200 joules in 12 steps (2, 3, 5, 7, 10, 20, 30, 50, 70, 100, 150, 200 Joules)**
- Adult and Paediatric paddles support
- Charging Time: less than 8 sec
- Synchronous: Energy delivery begins within 60ms of the QRS Peak
- Paddle Assembly: Energy paddle assembly with coil retractable high voltage cable
- Adults & Paediatric paddle integrated to same handle
- Check mode: Manual test mode

Model No. DF 301



With ECG & printer

ECG

- Frequency response: 0.5Hz to 35Hz
- Patient Isolation: Optical isolation
- Lead Selection: Lead I, II and III
- **Gain Setting: 0.5, 1 and 2**
- CMRR: 90 db
- **Sweep Speed: 12.5, 25.0, 50.0 mm/sec**
- Waveform 1: **ECG**
- Waveform 2: **4 sec delayed (Cascaded)**
- Digital Filter: Digital Signal processing for good quality of ECG
- Freeze Mode: To freeze upto 4 seconds ECG

Model No. DF 401



With ECG/AED & printer
OPTIONAL : SPO₂, NIBP, EtCO₂, PACEMAKER

PRINTER

- Paper Type: **Thermal paper 50/55mm width, 20 meters length for 2 inch printer**
- Event Printing: Prints 5 seconds pre & post ECG with Date, Time, Energy and mode, Shock Status
- ECG in Defib Mode: Prints last 10 sec ECG through paddle
- Print Annotates in Difib mode: Time, Date, Mode, Lead name, Gain, Sweep Speed
- ECG in Monitor mode: Prints last 10 sec ECG through paddle
- Print Annotates in Monitor mode: Time, Date, Selected Lead name, Gain, Sweep Speed
- Manual Defib Check Mode: Print the status of Shock, Energy, Date and Time

AED Mode

- Waveform: **BiPhasic**
- AEC shock series: Energy level from **150 to 200J**
- Charge Command Automatic after identifying arrhythmia
- Shock Command: front panel button, shock
- Charging Time: less than 8 sec
- Controls: Analyze, Pause
- Defibrillation Electrode: Malfunction, Self Adhesive, Adult electrodes
- Voice and Text Prompts: Voice and Text prompts to guide user

Pacemaker (Optional)

- Waveform: **Monophasic**
- Modes: **Demand or Non Demand**

- Amplitude: From 10mA to 150mA (resolution of 10mA)
- Pulse Width: 40ms (± 1ms)
- Frequency: from 20ppm to 250ppm (increments of 1ppm),
- Refractory period: 340ms (from 30 to 80ppm); 240ms (from 90 to 180ppm)
- Maximum Output Voltage: 150V
- Impedance Range: 200Ω to 1kΩ

SPO₂ (Optional)

- **Range: 0-100%**
- Accuracy: 70-100% ±2%, 50-69% ±3%
- Pulse rate: displayed when PR is deselected
- Pulse Beep: Step less volume control
- **PRRange: 10-250 bpm**
- Pitch Variation with change in oxygen saturation

NIBP (Optional)

- **Method: Oscillometric**
- NIBP Interval: User Selectable – **3 min to 120 min**
- Modes: Manual, Auto
- Cuff Deflation: Automatic
- Safety Features: Automatic deflation if cuff pressure exceeds 280 mmHg
- **Range: 10-250 mmHg**
- NIBP Status: "Ready" – When not taking reading
"Measuring" – When taking reading
"Error" – if reading could not be taken due to some error while measuring
- Patient Type: Adult, Paediatric, Neonate

Et CO₂ (Optional)

- Parameters: Co₂
- Measurement Unit: % or mm Hg
- Breathe rate: 3~150 bpm
- Range: 0 to 13%
- Accuracy: 2mmHg ≤ 5.0%Co₂ (at ATPS)
- Resolution: 1 mm Hg

Sr. No.	Parameter \ Model	DF 201	DF 301	DF 401
1	Defibrillator	Yes	Yes	Yes
2	ECG	Yes	Yes	Yes
3	Heart Rate	Yes	Yes	Yes
4	Printer	No	Yes	Yes
5	AED Mode	No	No	Optional
6	Pacemaker	No	No	Optional
7	SPO ₂	Optional	Optional	Optional
8	NIBP	Optional	Optional	Optional
9	EtCO ₂	No	No	Optional

Model No. DDU 100A (Defibtech)



Technical Specifications

- **Defibrillator**
 - Type** Semi-automatic external defibrillator
 - Waveform** Biphasic Truncated Exponential (Impedance compensated)
 - Energy** Adult: 150 Joules Pediatric: 50 Joules (Nominal into 50 Ohm load)
 - Charge Time** Less than 6 to 9 seconds
 - Voice Prompts** Extensive voice prompts guide user through operation of the unit and CPR
 - Cpr Pacing** Metronome
 - Controls** Lighted On/Off button Lighted Shock button
 - Indicators** • "check pads" • "do not touch patient" • "analyzing" AED Status LED
- **Defibrillation / Monitoring Pads**
 - Model** Adult – DDP-100 Child/Infant – DDP-200P
 - Type** Pre-connected, single-use, non-polarized, disposable, self-adhesive electrodes with cable and connector
 - Surface Area** 103 cm² (nominal, each pad) 50 cm² (nominal, each pad)
 - Pad Placement** Adult – Anterior/Anterior Child/Infant – Anterior/Posterior
 - Cable Length** (typical) 48" (122 cm)

- **Event Documentation**
 - Internal Event Record** Critical ECG segments and rescue event parameters are recorded and can be downloaded to a removable data card
 - Pc-based Event Review Ecg** with event tag display, and audio playback when available
 - Removable Storage** (optional) Up to 12 hours of ECG and event data storage (no audio option) or up to 2 hours of audio, ECG and event storage (audio option) on a removable data card. Actual length of storage is dependent on card capacity
- **Patient Analysis System**
 - Patient Analysis** Automatically evaluates patient impedance for proper pad contact. Monitors signal quality and analyzes patient ECG for shockable/non-shockable rhythms
 - Sensitivity/specificity** Meets AAMI-DF-39 specifications and AHA recommendations
- **Battery Pack**
 - POWER** 15V, 2800 mAh / 1400mAh
 - CAPACITY** 300 shocks or 16 hours continuous operation**
 - STANDBY LIFE** 7 or 5 years
 - TYPE** Lithium/Manganese Dioxide Disposable, recyclable, non-rechargeable
 - LOW BATTERY INDICATORS** Visible Audible
- **Self Tests**
 - AUTOMATIC** Automatic Automatic daily, weekly, monthly and quarterly circuitry tests
 - BATTERY INSERTION** System integrity test on battery insertion
 - PAD PRESENCE** Pads preconnected tested daily
 - USER-INITIATED** Unit and battery pack system test may also be initiated by the user
 - STATUS INDICATION** Visual and audible indication of unit status
- **Physical**
 - SIZE** 8.5 x 11.8 x 2.7 inches
 - WEIGHT (Approximate)** With 4.4 lbs (2.0 kg)

Model No. FD 401



Features

(The below features are common for both the model shown)

- **Ni-Cd Battery, with AC adaptor**
- Easy and Convenient operation
- **High-fidelity, crystal clear sound**
- **Earphone and speaker** are feasible
- High sensitivity Doppler probe
- Low ultrasound dosage With **2 MHZ Probe**
- Unique ergonomic design
- Applications: **at home, clinic, community and hospital**
- FHR range: **50-210 bpm**
- Resolution: **± 1 bpm**

Fetal Doppler FD 401

- Display with blue back light LCD

Model No. FD 501



Fetal Doppler FD 501

- Display with colour OLED
- **FHR digital voice function (optional)**

Model No. FM 101



with battery backup

General Features

- **8" screen color LCD display, rotatable screen to 60°** Display of the patient data and curve clearly
- **FHR 120-160 bpm normal range label**
- Manual records fetal movement
- Sound and color remind users of 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
- **9 crystal board band pulsed wave transducer**
- Extra-long life, high-resolution built-in thermal recorder
- Built-in two rechargeable batteries insure that could still working normally for two hours after the power supply breaks off.

Technical Features

- Display Content** : bed No, pregnancy weeks, age, paper speed, date, time, volume, reminder status, transducer connection status, recorder status, FHR data & 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 < 1 MPa**
 Output beam intensity : **I_{ob} < 20 mW/cm²**
 The peak time space peak intensity : **I_{spta} < 100 mW/cm²**
 The average time space peak intensity : **I_{sat} < 10 mW/cm²**
 FHR Rang : **50 BPM~240 BPM**
 Resolution : **1 BPM**
 Accuracy : **±2 BPM**

TOCO

TOCO range: **0~100%**
 Resolution: **1%**
 Nonlinear error: **< ±1%0**

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 Reminder :

Reminder for high and low FHR, which exceeds appointed limit.

Transducers (3 in 1)

(1) Ultrasonic Transducer

System: Pulsed Doppler
 Dimension: 90 mm × 65 mm

(2) TOCO Transducer

System: Passive Straingauge
 Dimension: 102 mm × 50 mm

(3) Remote Marker

Length: 96 mm

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.

Net Interface : RJ45

Battery type: two rechargeable batteries, 3700 mAh/3.7V

Physical Characteristics

Size : 320 mm (length) × 260 mm (width) × 80 mm (height)

Weight : about 3 kg

Mode : Continuous work

Power Supply

Working Voltage: AC 100 V~240 V

Frequency: 50 Hz/60 Hz

P ≤ 60 VA

Fuse: T1.6AL250V

Environment

Transport and storage

Temperature : -10 °C ~55 °C

Relative Humidity : ≤ 93%

Atmospheric pressure : 700 hPa ~ 1060 hPa

Working environment

Temperature : 5 °C ~ 40 °C

Relative Humidity : ≤ 80%

Atmospheric pressure : 700 hPa ~ 1060 hPa

OPTIONAL : Twins Monitoring, Built-in

communication port can be connected with central monitoring system

Model No. FM 201



General Features :

- **Foldable 12.1 inches high-brightness LED display**
- 12-Crystal Doppler transducer for accurate detection
- Support medical history search by patient ID, name and mobile number
- **FHR signal quality indicator helps optimize the probe position**
- On-screen scrolling for viewing stored fetal traces
- **Cross-Channel Verification (CCV) detects coincidence between all fetal and maternal heart / pulse rates**
- **Supporting Multi-display mode to meet different clinical requirement, including fetal parameter interface, Maternal- parameter interface, Fetal/Maternal-parameter interface, big font, alarm review, ECG review, trend table, trend graph and OxyCRG display**
- Trend and Reviewing for CTG, Vital signs parameter and Alarm: CTG Waveform review: **8640 hrs**, Vital Signs trend: **2160 hrs**, Vital Signs waveform: **2 hrs**, NIBP review: **2000 groups**, Alarm review: **2000 groups**

Ultrasound Frequency: 1 MHz ± 3%

Resolution: 1bpm

- TOCO

Measurement Method: Strain gauge sensor element

Measurement range: 0~100 units **Resolution:** 1 unit

Non linear deviation: ≤ ±8%

Baseline setting: 0.5, 10, 15, 20 can be selected

Auto offset correction: 3 second after connecting the transducer

Auto zero adjust: TOCO value is set to zero negative following anegative measure value for 5 seconds

- Fetal Movement Recording

Automatic fetal movement (AFM): pulsed Doppler ultrasound Automatic fetal movement autograph Manual fetal movement marker (MFM)

Technical Features :

- Power Supply : **AC:** 100~240V, 50/60 Hz.
DC: 14.8V / 2200mAh
- Working Time (on Battery) 2 Hrs
- Recorder (Built in)
Method: Thermal Printer
Paper: Z-fold, thermo sensitive
Paper Width: 112 mm (4.41 inch) / 150 mm (5.91 inch)
Printing speed: 1/2/3 cm/min | Trace: Max 4 tracks
Recording way: Real-time Recording and review printing
- Alarm
Low, Medium and High Auditory, Visual and delay in FHR alarm, Ultrasound (FHR)
Transducer Type: 12-Crystal ultrasound trasducer
Measure method: Wide beam pulse Doppler
FHR measurement range: 30-240bpm
Accuracy: ±1bpm **Intensity:** ≤ 3 mW/cm²

- ECG
Lead Mode: 3/5 leads (I, II, III or I, II, III, aVR, aVL, aVF, V)
Gain: 2.5, 5, 10, 20, 40 mm/mV and AUTO
Accuracy: ± 1bpm or ±1% (whichever is greater)
Resolution: 1bpm
Leakage Current: ≤ 10µA
CMRR: Diagnostic Mode: ≥ 89 dB, Monitor Mode: ≥ 105 dB, Surgery Mode: ≥ 105 dB
Bandwidth: 0.05 – 120 Hz
- Heart Rate
Measurement Range: Adult: 10~300 bpm
Neonate: 10~350 bpm
Resolution: 1 bpm
Accuracy: ± 1bpm or ±1% (whichever is greater)
- ST Segment Measurement
Range: -2 ~ +2 mV
Resolution: 0.01mV
Accuracy: -0.8mV ~ +0.8mV: ±0.02mV or 10% (whichever is greater) Other range: Unspecified
- Respiration
Method: Impedance between RA-LL, RA-LA
Gain: 0.25, 0.5, 1, 2, 4
Resolution: 1 bpm
Respiration Rate: 0 bpm; 6 ~ 150 bpm
Accuracy: ±2 bpm or ±2%, (whichever is greater)
Apnea Alarm: 10 ~ 60 s
- SPO₂ (Digital Technology)
Measurement Range: 0 ~ 100%
Resolution: 1%
Accuracy: ±2% (70% ~ 100%)
±3% (35% ~ 69%)
Unspecified (0% ~ 34%)
- Pulse Rate
Range: 25~250bpm
Accuracy: ±1% or ±1 bpm, (whichever is greater)
Resolution: 1bpm
- Maternal NIBP (MNIBP)
Method: Oscillometric
Measure mode: Manual, Auto and STAT
Measure interval in AUTO Mode 1 ~ 480 min
STAT mode cycle time: Keep 5 mins, at 5 seconds interval
Measure and Alarm Range: Systolic: 30~270 mmHg, Diastolic: 10~220 mmHg,
Mean: 20~235 mmHg
Static pressure accuracy: ±3 mmHg
Resolution: 1 mmHg
Over Pressure Protection: Dual protection via Software and Hardware
- Temperature
Technique: Thermistor probe (2.25K)
Measuring and Alarm Range: 0.0°C ~ 50°C (32°F ~ 122°F)
Unit: Celsius (°C) and Fahrenheit (°F)
Resolution: 0.1°C
Accuracy: ±0.1°C

OPTIONAL: 10" display, Dual FHR, Touch Screen, Keyboard, Mouse, Central Monitoring System, HDMI, Fetal Simulator, Waterproof probe, Wall mount stand, Trolley and Fischer NST Report

Model No. US 100



US 100 is Full-digital Portable Ultrasound Scanner
First-class digital imaging Technology, more clearer image

General Features

- Professional embedded ultrasonic platform
- **High-precision full-digital imaging technology**
- High density probe, broadband and frequency conversion technology, Increase the image quality greatly
- Backlight silica gel keyboard, Photo- electricity track control
- Intellectualized TGC gain control of the whole paragraph8, precisely adjustment image density
- **Wide applications: Abdominal, OB/GYN, Urology, Cardiology, Small parts examination etc**
- **USB port: storable and readable**

Technical Features

- Probes: 80/96 elements convex probe, trans vaginal probe, trans-rectal probe, high frequency linear probe
- Operation panel: user-friendly, convenient and flexible with back-lit silica gel keyboard & track ball operation
- Scanning mode : **convex/linear/micro-convex**
- Probe interface : **2**
- Display mode: **B, B+B, B+M, M, 4B**
- Detecting depth : **≥242mm**
- USB port: storable and readable
- Local zoom can be used at real time
- Image processing : **up/ down, left / right, black / white convection, edge enhancement, gamma correction, frame correlation, pseudo color processor(need external color display)**
- Measurement: distance, perimeter, area, volume, heart rate, gestational week, FW, AFI, EDD, maternity table, heart package etc

- Note: date, time, name, sex, age, doctor, hospital, comment, Chinese/ English conversion

Standard Configuration

- Main unit: 10.4" high resolution CRT monitor
- Double probe sockets, automatically identify probe technology
- 3.5MHz multi-frequency (2.5-5.0MHz) abdomen convex probe

OPTIONAL :

- **7.5MHz linear probe (6.5MHz~8.5MHz)**
- **6.5MHz trans-vaginal probe (5.5~7.5MHz)**
- **7.5MHz rectal probe (6.5MHz~8.5MHz)**
- **Trolley**
- **Thermal/Video printer, laser printer, jet printer Color LCD monitor**
- **USB port**

Model No. US 200



US 200 is Full-digital Trolley base
Ultrasound Scanner
First-class digital imaging Technology,
more clearer image

General Features

- Full digital beam forming technology
- All Focus technology : **Transmit and Receive both direction point-point focusing**
- Ultra low transmit power one eight of transmit ultrasound power comparing to traditional beam forming method
- **Powerful adjustable image processing 128 level of total gain adjustment, Y adjustment, gray scale adjustment, frame mixing 80 level of dynamic range adjustment**
- Complete application packages, easy user interface, accurate measurement
- Other functions screen protects and probe protects, light keyboard, permanent storage and software update function

Standard Configuration

- Main unit with SVGA
- **3.5MHz multi-frequency(2.5-5.0MHz) convex probe**

OPTIONAL :

- **2.5-5 MHz Phased array probe**
- **5-7.5 MHz Convex Vaginal Probe**
- **2.5-5 MHz Linear Abdomen probe**
- **6.5-8 MHz Linear Facial Probe**
- **B/W video printer, USB printer**
- **USB DVD writer**
- **USB standard 101 Keyboard and USB mouse**

Technical Features

- Scanning mode : **B, B/B, B/M, Varied zoom**
- Cine loop **384 frames**
- Real time fixing zooming, wide range Y adjustment, window curve control, STC Curve, Frame correlation, 256 gray scale, cine loop and image storage, dynamic range, edge enhancement, image reverse function
- Body mark : **60 types**
- Measurement and Calculation : **Distance, Perimeter, Area, Volume, Heart rate, Depth, Time, Speed, LV (left ventricle), AO (Aorta), MV (Mitral Valve), RV/LV, GS, BPD, CRL, FL, GL, TAD, LV, OFD, AC, HC, pregnant week and fetal weight.**
- OB report and LMP functions
- **Video Out PAL, SVGA**
- ID, date, time, focus gauge, Hospital name, measuring value, grayscale, probe type and frequency, probe position, display mode, scan direction, multiple – ratio, focus, puncture, guidelines, image processing and notes



General Features:

- Colour Doppler ultrasound system bringing an entirely new level of diagnostic performance and workflow efficiency. It enhances diagnostic confidence with high quality color and power Doppler, **2D/3D/4D-mode imaging.**
- Data and information communication can be easily carried out. It also can connect to **PACS Picture Archiving and Communication Systems a terminal.**
- US 300 system image is clear, powerful, can be used in abdominal, obstetrics, small parts, vascular, urology, prostate, endovascular surgery, cardiac and pediatric examination
- **LCD Monitor :**
 - Size(Diagonal): **17" / 19"**
 - Resolution: **1024 X 768 Pixels**
 - Rotate Angle: **± 90°**
 - Grey Levels: **256**
 - Start up Time: **≤ 90 seconds**
 - Preset Switching Time: **≤ 1 second**
 - Storage Time (Image to Disk): **≤ 0.5 second**
- Intuitive Windows based Operating principles
- Easily Accessible, Full Size Qwerty Keyboard For Text Entry, Function Keys & System programming
- Cine playback, Multiple Arrows, Configurable Worksheets, Exam Review, **Pictograms** (Body Marks), System setup Menu
- Dimension: **880 X 580 X 1400 mm**
- Weight: **45 Kg**

Technical Features :

• Probe

Convex probe	128 elements R50 wideband	Multi-frequency 2.0,3.0,3.5,4.0,5.5MHz
High frequency linear probe	128 elements R40 wideband	Multi-frequency 6.0,6.5,7.5,10,12MHz
Trans-vaginal probe	128 elements R10 wideband	Multi-frequency 5.0,6.0,6.5,7.5,9.0MHz
Phased array	64 elements R20	Multi-frequency

Technical Features :

- Lateral resolution: **≤ 1mm (depth ≤ 80mm)**
≤ 2mm (80 ≤ depth ≤ 130mm)
- vertical resolution: **≤ 1mm (depth ≤ 80mm)**
≤ 2mm (80 ≤ depth ≤ 130mm)
- Blind zone: **≤ 5 mm**
- Precision geometric position:
horizontal ≤ 10% Longitudinal ≤ 10%.
- Signal channels: **64 channels**
- PAL output interface

Technical Features :

- Power range: **AC220V ± 10% 3A.**
- Host Power: **DC12.8V 11.5A**
- Input power: **≤ 300VA.**
- Continuous working time: **≥ 8h.**
- **Imaging Modes:** B, 2B, 4B, M, B/M, B/C, B/D, B/C/D, B/CFM/D, PDI, Colour, Dual Colour, Simultaneous 2d/Colour Compound, PW, Duplex/Triplex, CFM, CDE, PD, Directional PD, CD

Oxycure Robust



With Nebulizer & OSD Features

General Features

- Real time Oxygen Purity Display
- Display: LCD
- With OSD (Oxygen Sensing Device) & Nebulizer
- Unique Maintenance Alarm design for 4000 Hrs working

Technical Features

- Operating System: Time Cycle / Rapid Pressure Swing
- Oxygen Concentrator: 93% ± 3%
- Delivery Rate: 0-5 L/Min
- Outlet Pressure: 0.05-0.08 Mpa
- Operating Temperature: 10-40 deg
- Humidity Range: ≤ 80%
- Sound Level: ≤ 40dB
- Alarm: Power Failure, Low purity, High-low Pressure, Low Oxygen Concentration, Temperature, Power Overload, Line surge Shutdown
- Thermal Switch
- 40 PSI pressure Relief Valve
- Weight: 25 Kg
- OPTIONAL : Built-in 2G Micro SD Card & Clinical Software

Oxycure Feather



General Features

- Weight: 14 Kg
- Easy Maintenance – 1 Min to open and replace the part
- Crucial Spare Parts are less than 15 Pcs (8 Keys + 7 Consumable Parts)
- Low Oxygen Purity Alarm

Technical Features

- Oxygen Flow: 0.5 – 5 L/Min
- Delivery Method: Continuous
- Oxygen Purity: 93 ± 3%
- Outlet Pressure: 0.05 ± 0.005 Mpa
- Noise Level: ≤ 40 dB
- O2 Purity Alarm: Low Oxygen at 82%
- Additional Features: Metal Connector for Fire Proof
- OPTIONAL : Wifi – Remote Data Transport

Oxycure Port



Portable 3kg With Carry Bag
2 x Battery Back Up To 6hrs

General Features

- Accurate pulse oxygen supply
- Related equivalent flow: 0-5 L/min

Technical Features

- Power Consumption: 48W
- Compressor gas displacement: ≥ 11 L/min
- AC power: 100-240 VAC 50/60 Hz DC power: 12 VDC
- Battery: 14.8V, 6Ah Battery working hours: 2 hours / level 5
- Battery Charging time: 4 hours
- Battery Life: 300 times
- Rates equivalent oxygen flow: 1, 2, 3, 4, 5 L/min (Adjustable)
- Flow Settings and Pulse Volumes:
 - 1-167 ml/min • 2-333 ml/min
 - 3-500 ml/min • 4-667 ml/min
 - 5-833 ml/min
- Oxygen Concentration: 93±3%
- Outlet Pressure: 50-120 kPa
- Sound Level dB(A): ≤ 48
- Working Altitude :Oxygen flow ≤ 3L/min, ≤ Altitude: 3500 meters
Oxygen flow 4-5L/min, ≤ Altitude: 1000 meters
- Application : it is suitable for people who enjoy travel
- Batteries used in this machine are approved by FAA

Oxycure 240/340



240-Single Outlet

340-Double Outlet

General Features

- PSA: Pressure Swing Adsorption technology
- Adjustable flow rate
- Large LCD for displaying Accumulating Time
- In Built Nebulizer

Technical Features

- Flow Rate: 0-5 L/Min
- Purity: 93 ± 3%
- Outlet Pressure: 0.04-0.07 Mpa
- Power Supply: AC – 220V ± 10% 50/60Hz
DC – 110V ± 10% 50/60Hz
- Sound Level: ≤ 50dB
- Power: ≤ 480W
- Timer: Accumulating timing and presetting timing
- Alarm: Power Failure, High and Low Pressure, High Temp
- NW: 27 Kg

OPTIONAL : OSD, Low Purity Alarm and Pulse Oximeter, Available with Flow Rate Of 10 LPM

Model No. Auto CPAP



General Features

- 3.5 inch Color LCD Display
- Innovative with Dual Water chambers
- Eco Smart warm up, high efficiency and lower water bills
- High Reliability
- High Performance
- More information – Less information input
- Humidifier (Optional)

Technical Features

Sr. No.	Technical Features	Model No.
1	Cover Color	Black
2	LCD Screen	3.5 inches
3	Mode	CPAP and AUTO
4	Pressure Range	4 - 20 cm H2O
5	Pressure Increment	0.5 cm H2O.
6	Reslex	Off / 1 / 2 / 3
7	Ramp	0 - 60 mins
8	Sound	≤ 30 dBA
9	Alarms	Power Fail / High Leak
10	Humidity Level	Off / 1 - 5
11	Auto On/Off	Off (Default)
12	Data Storage	SD Card
13	Dimensions (L x W x H)	170 x 196 x 118 mm
14	Weight	1.5 kg
15	Power Supply	100-240 V, 50-60 Hz Power Consumption: ≤ 60 VA

Optional: Real time data

Model No. BiPAP (20 S/T)



General Features

- Non-invasive Ventilation
- 2.4 Inches Color LCD display
- Real Time Pressure and Flow Wave display
- High Efficiency humidification
- Higher motor performance
- Quieter therapy output
- Remote data retrieve

Technical Features

Sr. No.	Technical Features	Model No.
1	Mode	CPAP, S, T, S/T
2	Pressure	4 - 20 cm H2O
3	LCD Screen	2.4 inches
4	Weight	2.5 Kg with Humidifier
5	Dimensions (L x W x H)	290 x 196 x 134 mm with Humidifier
6	Oximeter	Optional
7	Data Storage	SD Card
8	Reslex	Off / 1 / 2 / 3
9	Ramp P	4 cm H2O
10	Max Ramp	0 - 60 mins
11	Ramp Time	0 - Max Ramp
12	Humidity Level	Off / 1-5
13	Ti Min	0.1s - Ti Max
14	Ti Max	0.3s - 3.0s

Optional: Pulse Oximeter and Real time data

Spirometer

Model No. SPM 100



General Features

- **Forced Vital Capacity (FVC), Forced Expired Volume in one second (FEV1), the ratio of FEV1 and FVC (FEV1%), Peak expiratory flow (PEF), 25% flow of the FVC (FEF25), 75% flow of the FVC (FRF75) and average flow between 25% & 75% of the FVC (FEF2575) can be measured.** Besides, the testee condition can be shown by the ratio of the measured value and the predicted value.
- Display: **Flow rate – Volume chart, volume – time chart**
- Data memory, delete, upload and review
- Trend chart display
- Scalering (Calibration)
- Information prompts when volume or flow goes beyond the limits
- **Automatic power off when there is no operation in one minute**
- Rechargeable lithium battery and charging tips
- Battery power display

Technical Features

- Max Volume: **10L**
- Flow Range: **1L/s ~ 16 L/s**
- Volume accuracy: **±3% or 0.05L (Whichever is greater)**
- Flow accuracy: **±10% or 0.3L/s (Whichever is greater)**
- The highest resistance to flow within the measurement is **6Pa/L/s, and this resistance may be occur at 14L/s**

Digital Blood Pressure Monitor

Model No. DG 3111



Features

- USB Port for AC Adaptor
- LCD : 3.6"
- **IHB (Irregular Heart Beat Indicator)**
- WHO Classification Indicator
- Large and Clear LCD display
- **2*120 times Memory**
- Date/Time display
- Automatically turn off
- Talking Function is optional

Model No. DG 7111



Features

- **Alkaline batteries & AC Adapter**
- **Tri - Color Backlight Display with Blood pressure level classification indicator (WHO)**
- Date and time Display
- Irregular heartbeat detection
- **Systolic, Diastolic and Pulse Reading**
- 2 users with 60-reading memory bank each
- Average of last three measuring results
- Large LCD
- Cuff circumferences: 22~30cm
- Dimension: 136X100X65 mm

ECG Holter

Model No. ECGH 100



Model No. ECGH 300



With PC interface

Parameter	ECGH 100	ECGH 300
Design	Compact	Compact
Display	OLED	OLED with 160*128 resolution
Event Marking	YES	YES
TF or SD card	Up to 2 GB	Up to 2 GB
Battery	AAA size battery which last for 48 hrs	AAA size battery which last for 48 hrs
Electrodes	3 Leads	5 Leads
Interfacing	USB	USB
Recording the state of pacemaker	YES	YES

Software Features: (Common for Both Model)

- There are more than 10 templates as atrial premature beat module, ventricular premature beat module, long in terval module, atrial flutter module, atrial fibrillation module etc and multiplicity user defined templates could almost identify every kind of pathologic wave forms.
- Flexible atrial fibrillation analysis, so that physicians can be useful, segmented automatic, manual analysis of atrial fibrillation, make the analysis more quickly and accurately.
- **Powerful pacemaker analysis, on the AAI, VVI, DDD etc all pacemaker analysis**
- Any period of single lead or 12 – leads ECG can be reviewed at any time with the function of fast waveform review and analysis.
- **Analysis of heart rate variability with short range 5 mins and long-range 1 hour and full analysis of heart rate variability.**
- A one-stop printing operation, report printing process is convenient and quick.
- **"Heart rate turbulence" analysis can predict the risk of death in patients with myocardial infraction.**
- **"T wave alteration" analysis is a important index on judging and preventing Arrhythmia**
- The report has more reference value with the functions of **VCG, VLP, TVCG & QTD analysis.**

Model No. ABPM 100/200



Ambulatory Blood Pressure Monitor

Technical Features

NIBP

- **Method: Oscillatory**
- Mode: Manual / Automatic / Continuous
- Measurement Range: 10-270 mmHg (Max: 280 mmHg)
- **Automatic Measurement Interval : 1, 2, 3, 4, 5, 10, 15, 30, 60, 90 mins**
- Resolution: 1 mmHg
- Alarm: Systolic, Diastolic and Mean
- Alarm Range: **10-270 mmHg**

SPO₂

- Measurement Range: 0-100%
- Resolution: 1%
- Accuracy: **70-100%, ±2% ; 0-69**

Unspecified

- Alarm Range: **0-100%**

Pulse Rate

- Range: **25-250bpm**
- Resolution: **1bpm**
- Accuracy: **±2bpm or ±2% (Select Larger)**
- Alarm Range: **0-254bpm General**
- Power: **2 "AA", 1.5V Alkali Battery**
- Dimension: 128x69x36mm
- Weight: ≤ 350g (Including Batteries)

Features

- Compact and portable, easy to use
- **Suitable for adult, paediatric and neonatal patients**
- Large color LCD display for NIBP, SPO₂ and Pulse Rate
- Adjustable audio and visual alarms
- **Ambulatory monitoring. 24 hours storage and review data**
- **All data can be transferred to a PC**
- Windows based software for review, analysis and ready to print

Parameter / Model	ABPM 100	ABPM 200
NIBP	Yes	Yes
SPO ₂	Optional	Yes
Pulse Rate	Yes	Yes

Piston Based Nebulizer

Model No. NEC 240



Technical Specifications

- Electrical Requirements:
220V AC / 50 Hz or 110 V 60 Hz
- Weight: 1.2 Kg (2.64 lbs)
- Litre Flow Range: **5-8 L/Min**
- Particle Size Less Than: **3 Microns**
- Sound Pressure Level: **55 dB(A)**
- Maximum Compressor Pressure:
35 Psi to 50 Psi (241 kpa to 345 kpa)

Model No. NEC 340



Technical Specifications

- Electrical Requirements:
220V AC / 50 Hz or 110 V 60 Hz
- Weight: 1.2 Kg (2.64 lbs)
- Litre Flow Range: **5-8 L/Min**
- Particle Size Less Than: **3 Microns**
- Sound Pressure Level: **50 dB(A)**
- Maximum Compressor Pressure:
35 Psi to 50 Psi (241 kpa to 345 kpa)
- **With Carry bag**

Ultrasonic Nebulizer

Model No. NEC 440



Technical Details

- **Ultrasonic Frequency: 1.7MHz ± 10%**
- Power Supply: AC 220V ± 10%, 50 Hz
- Input Power: 50VA
- Max Nebulizing rate: ≥ 3mL/min
- Timing Range: **0-60 min**
- Volume of sink: **300mL**
- Max volume of the **little atomizing cup: 150mL**
- Max volume of the **big atomizing cup: 350mL**
- Fuse Tube: 1. F0.5AL250V, Ø 5 x 20
2. F1.5AL250V, Ø 5 x 20
- Weight: **1.8 Kg**
- Dimensions: **247 x 140 x 201 mm**
- **Noise ≤ 50dB(A)**
- Continuous working time: ≥ **4 hours**
- **Percent of MMD ≤ 5 µm; ≥ 65% for temperature 20°C**
- Relative Humidity: **53%**

Portable Suction Machine

Model No. 7E-A, 7E-B, 7E-D



7E - A
for Adult



7E - B
for Children



7E-D
AC/ DC Operated

General Features (Common for all models)

- **Oil-Less piston driven vacuum pump assures steam free and lubrication free that prevents bacterial contamination**
 - Lower noise
 - Overflow device prevents liquid entering pump
 - Vacuum adjustable system can be adjured according to using
 - **Small volume, light weight convenient for hand carry**
 - Full outer plastic body features superior resistance to rust and corrosion, and easy for cleaning
- Technical Specifications:
(Common for all models)
- Max Vacuum : ≥ 0.075 MPa (560 mmHg)
 - Adjustable Vacuum range : **0.02 MPa (150 mmHg) ~ Max Vacuum**
 - Sound Level : ≤ 65 dB (A)
 - Suction Bottle : **01 - Polycarbonate Bottle of 1000 ml each**

Technical Specifications

Sr. No. Model No.	7E-A (Adult)	7E-B (Paediatric)	7E-D (AC / DC Operated)
Max Airflow (LPM)	17	15	15
Net Weight (Kg)	4.4	4.4	6.5
Power Supply	AC: 220V and 50 Hz	AC: 220V and 50 Hz	1. AC: 220V and 50 Hz 2. External DC: 12V 3. Internal Battery: ≥ 0.5 hrs when fully charged
Input Power (VA)	90	90	44

Double Bottle Suction Machine

Model No. 7A- 23D



Double Bottle

General Features

- **Piston Driven vacuum pump assures steam free and lubrication free, which prevents bacterial contamination**
- **Hand - Switch and Foot - Switch for operating easily**
- Vacuum adjustable system can be adjusted according to using

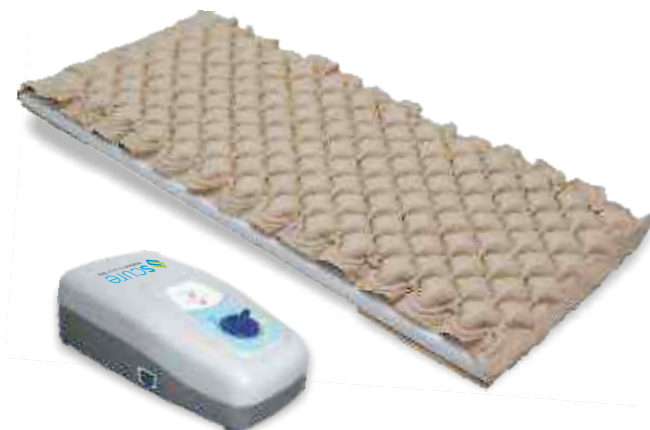
Technical Specifications

- Max Vacuum: ≥ 0.08 MPa (600 mmHg)
- Adjustable Vacuum range: **0.02 MPa (150 mmHg) ~ Max Vacuum**
- Max Airflow: up to **25 LPM (Litre per min)**
- Sound Level: ≤ 60 dB (A)
- Net Weight: **15.5Kg**
- Suction Bottle: **02 - Glass Bottle of 2500 ml each**
- Input Power: **180VA**
- **High Vacuum and High Flow**

Aircure 1000



Aircure 1100



for the prevention of bed sores

General Features

- Therapy for stage I pressure
- Alternating pressure relief bubble pad system with pump (A unique bed sores therapy system)
- Very easy to operate
- Adjustable comfort range with pressure adjustable control knob
- Adjustable hangers of pump to suit and kind of hospital bed frames
- Medical grade non-toxic bubble pad mattress with unique design
- Ultra quiet air pump operation / maintenance free

Technical Features

Pump

- Electrical : 220-230V / 50Hz
- Power consumption : 5W
- Fuse: 1A

- Pressure Range : 70-130 mmHg or 7-8 lit/min
- Cycle time : 8 min
- Weight : 1.4 Kg

Bubble pad Mattress

- Colour : Beige Colour / Blue colour
- Dimension : 300 X 90 X 7 cm
- 130 bubble cells, without vents and end flaps
- PVC Thickness : 0.32 mm
- Material : PVC (EN-71, Non Toxic)
- Max. Weight bearing capacity : 130 Kg (Repair Kit in cluded)

Aircure 2000



Aircure 2500



General Features [Common for both Model]

- Therapy for stage I to III pressure
- Adjustable comfort range with pressure adjustable control knob
- Interchangeable bladders in mattress for easy cleaning and maintenance
- Adjustable hangers of pump to suit any kind of hospital bed frames
- High grade medical non toxic mattress retards bacterial growth
- Ultra quiet air pump operation
- The low air loss holes on the mattress provide good ventilation and keep patients dry form humidity
- Vapour permeable, water resistance cover provides a low friction surface

Technical Features [Common for both Model]

Pump

- Air Output: 8 L/min
- Electrical: 220-230V / 50Hz
- Pressure Range: 40-100 mmHg
- Cycle time: 10 min

Strip Mattress

- Arrangement: 17 bladders + 1 extra
- CPR (Optional)
- Material:
 - Cover: Nylon / PU with button
 - Cells: Nylon / PVC
 - Base: Nylon / PVC

Parameter/ Model No.	Aircure 2500	Aircure 2000
Mattress Dimension (in Cm)	190 X 85 X 11	203 X 90 X 12.5
Pump Dimension (in Cm)	24 X 12 X 9.5	30 X 15 X 9
Max. Weight Bearing Capacity	140 Kg	130 Kg

Air Bed Mattress

Aircure 5000



General Features

- Therapy for stage I to III pressure
- Adjustable comfort range with pressure adjustable control knob
- Interchangeable bladders in mattress for easy cleaning and maintenance
- **Static mode** : This features provides constant pressure inside the mattress for patient repositioning, feeding and dressing
- Adjustable hangers of pump to suit any kind of hospital bed frames
- High grade medical non toxic mattress retards bacterial growth
- Ultra quiet air pump operation
- The low air loss holes on the mattress provide good ventilation and keep patients dry from humidity
- Vapour permeable, water resistance cover provides a low friction surface

Technical Features

Pump

- Air Output: **8 L/min**
- Pressure Range: **20-55 mmHg**
- Cycle time: **10 min**
- **Mode: Alternate / Static**
- Dimension: 28 X 20 X 10 cm
- Weight: 2.5 Kg

Mattress

- Top cover: Pu, Bi-elastic coatings and quilted cover with zipper
- Base: Nylon
- High grade medical non toxic mattress retards bacterial growth
- CPR Valve and low air loss (optional)
- **Fixed Hooks, Air Filter and Fuse**
- **Visual Low Pressure Alarm**
- Dimension: **200 X 86.5 X 12.5**
- Max Weight bearing Capacity: **160 kg**

Aircure 6000



General Features

- **Weight mode** : This feature helps the patient to insert their weight, pressure is automatically adjusted & maintain
- **Static mode** : This features provides constant pressure inside the mattress for patient repositioning, feeding and dressing
- Ultra quiet air pump operation
- The low air loss holes on the mattress provides good ventilation and keep patient dry from humidity
- Vapour permeable, water resistance cover provides a low friction surface
- Interchangeable bladders in mattress for easy cleaning and maintenance

Technical Features

Pump

- Air Output: **8 L/min**
- Pressure Range: **20-55 mmHg**
- Cycle Time: **10 / 15 / 20 / 25 min**
- Alarm: **Low pressure / power failure / Alternate failure Indicator**
- Mode: **Alternate / Static / Weight**
- Dimension: 31 X 12.5 X 21 cm
- Weight: 2.5 Kg

Mattress

- Therapy for stage I to III pressure
- Air Cell Material: **PU**
- Air Cell Structure: **Cell on Cell**
- Top cover: **Pu, Bi-elastic coatings and quilted cover with zipper**
- Base: Nylon / Structure: **20X8"**
- CPR Valve and low air loss optional
- Dimension: 203 X 88 X 20 cm
- Max Weight bearing Capacity: **180 Kg**
- **Maintenance free PU air cell**

Digital Thermometer

Model No. DT 101



Digital Thermometer

DT 101 (Digital Thermometer)

- 100% safe (non-mercury)
- **Fast result in 60 seconds** (for oral and under arm)
- Last reading memory display
- Measures actual **temperature in °F**
- Buzzer – beeps alarm when temperature reached
- **Battery can be replaced**
- **Auto Switch – off**

DT 201 (Flexible Digital Thermometer)

- 100% safe (non-mercury)
- Flexible tip provided for easy use
- **Fast result in 10 seconds** (for oral and under arm)
- **Large LCD display with last reading memory**
- Buzzer – beeps when temperature reached
- Measures actual temperature reached
- Measure actual **temperature in °F & °C**
- **Battery can be replaced**
- **Auto switch off**

Model No. DT 201

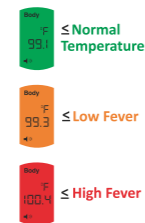


Flexible Digital Thermometer

Model No. DT 301



thermowave
non body contact infrared thermometer



DT 301 (Non contact Infrared Thermometer)

- Thermometer for whole family
- **No direct body contact required**
- User friendly and efficient (**Result in 1 seconds**)
- No cleaning required
- **Non-Contagious**
- Memory for **32 measures**
- **Display in °F & °C**
- Backlight LCD with **tri color display**
- Alarm, if temperature exceeds
- **Auto off in 30 seconds**

Non contact infrared thermometer with tri-color display

Hospital Bed Range

Model No. HB 200

(Electric – Two Function Care Bed)



Technical Features

- Dimension: **2120 X 900 X 450~740 mm (L X W X H)** Electric Control Backrest **75° ± 5°**
- Footrest: **45° ± 5°**
- **Side brake system, convenient for castors to control left and right**

General Features

- **4 – Section PP guardrail**
- 24V DC electric machine
- Super low noise
- Water proof standard Ip51
- **Distance between bed surface and top guardrail: 380mm**
- **Deluxe 5 inches Muting Castors**

Model No. HB 300

(Electric – Three Function Care Bed)



Technical Features

- Dimension : **2120 X 900 X 450~740 mm (L X W X H)**
- Electric Control High-Low Adjustment : **450-740 mm**
- Electric Control Backrest **75° ± 5°**
- Footrest : **45° ± 5°**

General Features

- 24V DC electric machine
- **Super low noise**
- Water proof standard IP51
- Super low noise
- **Side brake system, convenient for castors to control left and right**

Model No. HB 500

(Electric – Five Function)



Motorized 5 function bed with Battery backup & central locking

Technical Features

- **Battery Backup & Central Locking**
- **CPR Facility**
- **Split ABS Railing with PP guard rail**
- Dimension: **2120 X 900 X 450~740 mm (L X W X H)**
- Electric Control **High-Low** Adjustment: **450-740 mm**
- Electric Control Backrest **75° ± 5°**
- **Trendelenburg and Reverse Trendelenburg 12° ± 2°**
- Distance between bed surface and top guardrail: **380mm**

General Features

- High Class Electric Five Function care Bed
- **4 – Section PP guardrail**
- 24VDC electric machine
- Super low noise
- Water proof standard IP51

Model No. HB 500S

(Electric-Five Function)



Model No. HB 700

(Electric-Five Function)



General Features (For HB 500S)

- **Central Locking**
- **Two way Controller**
- **CPR**
- Battery Backup & **Split ABS Railing with PP Guard Rail**
- High Class Electric Five Function care Bed
- **4 – Section PP guardrail**
- 24VDC electric machine
- Super low noise
- Water proof standard IP51
- with **IV rod** drop down facility

Technical Features (Common for Both Model)

- Dimension: **2120 X 900 X 450~740 mm (L X W X H)**
- Electric Control High-Low Adjustment: 450-740 mm
- Electric Control Backrest **75° ± 5°**
- **Trendelenburg & Reverse Trendelenburg 12° ± 2°**
- Distance between bed surface & top guardrail: 380mm

General Features (For HB 700)

- **Chest Part with X-ray Cassette Holder**
- **Two way controller**
- **Battery Backup**
- **CPR**
- High Class Electric Five Function care Bed
- **4 – Section PP guardrail**
- 24VDC electric machine
- Super low noise
- Water proof standard IP51
- **Deluxe Bed with Central Locking**
- Split Type Railing
- Oxygen Cylinder Case
- with **IV rod** drop down facility

Emergency Scoop Stretcher & Spine Board

Model No. ESS 101



Technical Features

- Aluminium Frame
- Thermal resistant Composite materials
- Clutch enable detachable interlocking between right and left halves
- Clutch design: Centre or Lateralized
- Length Adjustable

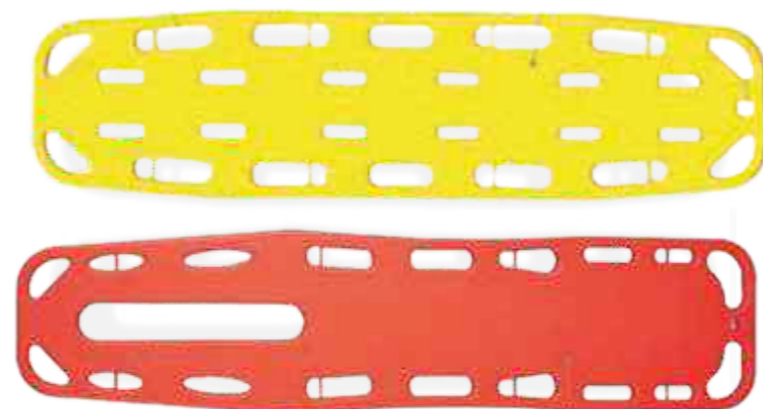
- 03 pairs of quick release belts
- Net Weight: 9Kg
- Length: Min – 170 cm Max – 200 cm
- Width: 40-45 cm
- Weight Bearing: Up to 159 kg

Model No. ESB 101

Technical Features

- High Density Poly ethylene – Single Piece
- Rigid, Light and Floatable
- Resistance to bumps and corrosion
- Non absorbent, immune to infiltrations
- Easy to clean – water & soap should be enough
- X-ray and MRI compatible
- Net weight: ≤ 9 Kg
- Load Capacity: ≤ 159 Kg
- Dimensions: 180-195 X 40-45 X 3-6 CM (L X W X H)
- Straps 2 Pairs with easily detachable latches / clips

OPTIONAL : Head Immobilizer with straps



Head Immobilizer With Straps

Folding Emergency Stretcher

Model No. EMS 100

Technical Specifications

- The loading height can be adjusted:
High position is 68 cm | the second position is 63 cm
the lowest position is 58 cm
- The bed surface of the stretcher is made of foamed cushion, the material is waterproof, and the head is adjustable which makes the patient comfortable.
- The stretcher with safety lock, it must be locked up while transporting the patients, and opened out while loading it in the ambulance.
- The mechanical folding legs are controlled by the handles on both sides.
- The stretcher only needs one person to load the patient (with this trolley) in to the ambulance.
- It is made of high-strength aluminium alloy materials, use safely and easy for sterilization and cleans.
- The diameter of castor wheel is Ø125-150 mm



Model No.	High Position	Low Position	Maximum angle of the back	Minimum angle of the knee pair	Self weight	Load bearing	Packing		
							Quantity	Size	G.W.
EMS- 100	196X57X88 cm	196X57X24.5 cm	53°	-	33 Kg	181 Kg	1	201.5 X 61.5 X 27 cm	49 Kg

Model No. EMS 101



Features

The Stretcher is made of high strength aluminium alloy and nylon mesh materials.

- Used for carrying patients and wounded person
- 4 fold action for packing
- with carry bag

Model No.	Unfolded Size	Folded Size	Self weight	Max. Wt. Bearing Capacity	Packing Size	Gross Weight
EMS- 101	209 X 55 X 9.5 cm	58 X 20.7 X 10.5 cm	5.99Kg	160Kg	62.5 X 24.5 X 14.5 cm	6.53Kg

Model No. SC 100

Single Head Stethoscopes



- **Medium and chrome plated or oxidized chest piece**
- Flat chest piece as single stem
- Hard PVC ear tips
- **Matched colourful PVC tubing, Binaural, chest piece are available**

Model No. SC 301

Sprague Rappaport type Stethoscopes



- Chrome plated binaurals and fully rotatable chest piece.
- **22 inch** long tube,
- Accessories : **2 Diaphragms, 2 pairs of ear tips, 3 ells,** Coloured chest piece can be matched the colourful latex free tubing. Gel colourful PVC tubes are also available.

Model No. SC 401

Deluxe Dual-head Stethoscopes



- A developed new design **chrome plated zinc alloy chest piece, Screw-on retaining ring and internal spring binaural, matched tubing and non chill ring for professional purpose.**

Model No. SC 402

Deluxe Single Head Stethoscopes



- Deluxe **nickel-plated chest piece** Nickel plated and internal spring binaural for professional purpose

Model No. SC 501

Stainless Steel Cardiology Type Stethoscopes



- A Stainless Steel chest piece for maximum convenience and internal spring binaural for **high acoustic sensitivity.** Dual non-chill rings provide patient comfort. It comes with **additional one diaphragm and a pair of ear tips.**

Model No. SC 502

Stainless Steel Stethoscopes



- **Premium quality stainless steel chest piece** offer superior clear sound transmission.
- Features :** Internal Spring, **Stainless Steel Binaural,** Non-Chill Ring and **Quality Diaphragm.**

Model No. SC 503

Paediatric Type Stainless Steel Stethoscopes



- **Smaller with Premium quality stainless steel chest piece** offer superior clear sound transmission, suitably for **paediatrics**

Model No. SC 504

Fetal Type Dual Head Stethoscopes



- The **unique chest piece is designed with superior ability to** listen to the fetal heart. Binaurals / stem are made of brass with **chrome-plating** **Designed for superior** auscultation of the fetal, **Matched colorful PVC tubing and diaphragm rings** are available