

An ISO 9001:2008 Company

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About us

HEALTH IS WEALTH, we firmly believe and this core belief has enabled us to provide solutions in this sector. We at Silverline Meditech Pvt. Ltd. introduce ourselves as providing cost effective and value added healthcare equipment products. Our company has been providing healthcare equipment solution since 1998. Being one of the leading importers of medical device in India; we have gained significant experience in catering Government hospitals, Corporate Hospitals, Clinical institute, Practicing Medical Doctors and End users.

Journey:-

The two-decade voyage has given us credentials to procure various certificates for assurance in quality and standards for our products. Therefore, we have executed successful projects for turnkey hospital, lab equipment, diagnostic center, therapeutic products and public health clinics.

Our Flagship brand:-

Believing in quality to maintain international standards, we have launched our brand S.cure to serve with trust and integrity. Our flagship brand S.cure has mainly four product categories-Medical device, Home health care, Rehabilitation products and Surgical. We have introduced S.cure brand to create awareness on health care solution with quality at affordable price. We have an able team of engineers, management, professionals and are search team to provide 360° solutions. Our able marketing team spread across India caters our dealers and clients. In addition to support our clients and dealers, we have a service department with a team of bio-medical engineers who are ready to serve with their technical trainings, product orientation, onsite demonstration and live chats. Client’s satisfaction is utmost indicator to our vision and mission. We are thus sure to grow as an organisation with new clients as reference from our all existing clients.

Mission

To provide cost effective and value added solutions in advanced healthcare equipment products to our end users.

Vision

To be a well-recognized brand with focus on quality, affordable price and availability to provide better health care.

All our products are  Certified &
Some are US  Approved



Model No. FTP 401



Model No. FTP 701

Appearance is same as **FTP 401** but it does not contain software, alarm, recording and beep pulse sound with 2 direction display

Model No. FTP 1100 , FTP 1200



General Features

- Suitable for paediatric and adult
- **Rechargeable lithium battery with charger**
- **Audio and visual alarm for SpO₂ and Pulse rate, Beep pulse sound**
- Software to interface with PC through USB
- Colour **OLED** with 4 Direction display
- **Battery voltage indication Colour OLED Graph**
- Auto shut-off function when the finger is out
- Data recording of the patient for 30 minutes.
- Battery backup - **18 hours**

Technical Specifications

SpO₂

- Measurement range : **30~99%**
- Accuracy : **±1% for 70~99%**
- Unspecified for **0~69%**
- Alarm Range : **0~100%**

Pulse Rate

- Measurement range : **30~254 bpm**
- Accuracy : **±2% or ±2 bpm**

Optional : Wireless Communication via Bluetooth



General Features

- **Dual colour OLED display** with High Brightness
- Suitable for adult and Pediatric Patients
- Standard **2 nos. AAA battery size Alkaline Battery ~ 1.5V** each
- **Auto shut-off when finger is out**
- **With Perfusion Index (PI) and Alarm for SpO₂ & PR and Beep Sound**

Technical Specifications
(Common for both Model)

SpO₂

- Measuring Range : **35~99%**
- Accuracy : **±2%**

Pulse Rate

- Measuring Range : **30~240bpm**
- Accuracy : **±2%**


Model No	FTP 1100	FTP 1200
Packing Details	Paper Box and Hanging String	Aluminium Tin Box with Carrying Pouch and Hanging String



Model No. HHP 201



General Features

- **Bright, Easy-to-Read Large LED display**
- **Durable, Compact and Light weight**
- Audible / Visual Alarms with adjustable alarm limits
- Continuous Monitoring and Spot-Check
- Four Standard **“AA” Size Rechargeable batteries with charger Dock**
- Suitable for **Adult, Paediatric and Neonatal**
- **Nickel- cadmium battery of 4.8V**
- Battery backup - **12 hours** (Nickel Cadmium battery)
- Alarm indicator for SpO₂ , PR & Sensor disconnecting problem with adjustable alarm limits
- **Compatible with  NELLCOR**
- Auto shut-off function when the finger is out

Technical Specifications

- Without battery: **100(g)**
- Measurement range for SpO₂ : **0~100 %**
- Accuracy for SpO₂ / PR : **±2%**
- Measurement range for PR : **30~250 bpm**
- Alarm silence interval range : **15, 30, 60, 90, 120sec**
- Dimension: **130(L) X 69(w) X 22(H) mm**
- Weight: **195(g)with battery**



Hand Held Pulse Oximeter

Model No. HHP 301



General Features

- Colour display with 1.8" TFT LCD
- Suitable for **Adult, Paediatric and Neonatal**
- **Light weight, low power consumption**
- Audio and visual alarm for **SpO₂** and **Pulse rate**
- **Lithium rechargeable - ion battery**
- Battery backup - **26 hours**
- **Interfacing with PC**
- **Suitable for ambulance**
- Waveform for Pulse rate
- Charging time - **4 hours**
- Software to interface with PC & Recording
- Dimension: **87(L) X 45(W) X 22(H) mm**
- Weight: **175 g**

Technical Specifications

- Power supply requirement: **3.6VDC to 4.2VDC**
- Measurement range for SpO₂ : **0~100%**
- Accuracy for SpO₂ / PR : **±2% (70~100%)**, Unspecified (**below 70%**)
- Measurement range for PR : **30~250 bpm (±2 bpm)**
- Adjustable Alarm Range : **0~100%**

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



Table Top Pulse Oximeter

Model No. TTP 101



Two Parameters: SpO₂ - PR, NIBP

General Features

- Suitable for **Adult, Paediatric and Neonatal patients**
- **7 segment LED for Systolic/Diastolic, SpO₂ & Pulse Rate**
- **2.4" Colour display for SpO₂ Waveforms, Bar Graphic, Trend**
- System Menu to access other recorded data from the machine
- Up to 2000 patient data storage for **NIBP** and **SpO₂** data (48 hours trend)
- **Rechargeable Lithium Ion Polymer battery**
- High brightness LED display of SpO₂ - Pulse Rate and NIBP
- Battery backup - **up to 120 min**
- Alarm indicator for SpO₂ & PR
- Dimension: **232 (L) X 198 (W) X 75 (H) mm**
- Weight: **1.15kg**

Technical Specifications

- SpO₂**
 - Measurement range : **0~100%**
 - Accuracy : **±2% for 70~100%** (**0 ~ 69% - Unspecified**)
 - Alarm Range : **0~100%**
 - With Pitch tone Variation
- Pulse Rate**
 - Measurement range : **30~250 bpm**
 - Accuracy : **±2%**
- NIBP**
 - Method : **Oscillometric**
 - Operation Mode : **Manual / Automatic / Continuous**
 - Measurement Range : **10~270 mmHg**
 - Auto Measure Time : **1~255 min adjustable, with interval of 5 min**
 - Alarm for **High** and **Low** systolic and diastolic Blood Pressure



Model No. TTP 201



Two Parameters: SpO₂ - PR, NIBP

General Features

- 7.4V Lithium ion polymer rechargeable battery
- Suitable for **Adult, Paediatric** and **Neonatal** patients
- **7 segment LED** for Systolic/Diastolic, SpO₂ & Pulse Rate
- **2.8" High resolution TFT LCD display** for waveforms, Bar Graphic, Trend and System Menu
- Up to 2000 patient data storage for **NIBP** and **SpO₂** data (48 hours trend)
- High brightness LED display of SpO₂ - Pulse Rate and NIBP
- **USB port available to transfer the data to PC**
- Battery backup - **3 to 4 hours**
- Compact & Portable, allowing for uninterrupted monitoring with built-in battery
- Dimension: **240 X 190 X 162mm**
- Net weight: **1.6Kg**

Technical Specifications

- SpO₂**
 - Measurement range : **0~100%**
 - Accuracy : **±2% for 70~100% (0~69% - Unspecified)**
 - Alarm Range : **0~100%**
- Pulse Rate**
 - Measurement range : **30~250 bpm**
 - Accuracy : **±2%**
- NIBP**
 - Method : **Oscillometric**
 - Operation Mode : **Manual / Automatic / Continuous**
 - Measurement Range : **10~270 mmHg**
 - Auto Measure Time : **1~255 min adjustable, with interval of 5 min**
 - Alarm for **High** and **Low** systolic and diastolic Blood Pressure

Model No. TTP 301



Single Parameter: SpO₂ & PR

General Features

- **7 segment LED** for SpO₂, Pulse Rate and for PI
- **2.5" LCD** for SpO₂ Graph (Plethysmograph)

Technical Specifications

- **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%
- Measurement range for SpO₂ : **0 ~ 100%**,
- Accuracy for SpO₂ : **± 2% for 70 ~ 100%** [Unspecified **below 70%**]
- Measurement range for PR : **30 ~ 250 bpm**
- Accuracy for PR : **± 2%**
- **SpO₂ and Pulse Rate value 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)**
- Battery backup : **3 to 4 hours**
- Dimension: **269(L) X 222(W) X 79(H)mm**
- Weight: **1kg(with lithium battery)**

Operating Voltage

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

Measurement of PI (Perfusion Index)

- PI measure range is **0 ~ 20%**
- **When the PI measure range is 1 ~ 20%, the permission of absolute error is ±1%**
- **When the PI measure range is 0 ~ 0.9%, the permission of absolute error is ±0.2%**

Multi Para Monitor

Model No. MP 8000



General Features

- Light weight, compact and portable
- High Resolution 8.4" Colour TFT Display
- Suitable for Adult, Pediatric and Neonatal
- Visual and Audio alarms with adjustable alarm limits
- Built-in removable and rechargeable lithium battery
- Easy operating UI with both Keypad and Rotary knob
- SCREEN SELECTION standard, Oxy CRG, Big Font & Trend
- Powerful data storage and management, Trend graph & Trend table
- Arrhythmia analysis and S-T segment analysis
- Trends Memory 96 hours at 30 second intervals for a NIBP reading every 5 minutes; Display- tabular, graphical
- Power Source 110V-240V, 50/60Hz
- Weight Approximate 4.2Kg

Technical Specifications

SpO₂

- Measuring Range : 1-100%
- Resolution 1%
- Averaging : 4, 8 & 16 Seconds
- Accuracy $\pm 2\%$ (for range 70% - 100%)

Pulse Rate

- Measuring Range : 25-240bpm
- Resolution : 1 bpm
- Accuracy ± 2 bpm

ECG

- Lead Mode : 3 / 5 lead
- Lead Selection : I, II, III, avR, avF and V
- Gain Selection : 2.5, 5, 10 & 20mm/mv
- HR & alarm Range : Adult 15-300bpm; Nep/Ped 15-350bpm
- Accuracy : $\pm 1\%$ or ± 1 bpm
- Resolution : 1bpm

- Sweep speed : 12.5mm, 25mm, 50mm/second
- Surgery : 1 – 20 Hz,
- Monitor : 0.5 – 40 Hz,
- Diagnostic : 0.05 – 130 Hz
- Arrhythmia analysis : 13 Types

NIBP

- Method Oscillometric
- Mode Manual, Auto, Start
- Interval in auto mode
- 1,2,3,4,5,10,15,30,60,90,120,180,240 & 480 mints
- Accuracy Max Mean Error : ± 5 mmHg
- Alarm type
- SYS, DIAS & MEAN, : SYS : 40-275 mmHg,
- DIAS:10-215 mmHg, Mean : 20- 165 mmHg

Temperature

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

Respiration Rate

- Range: Adult : 0 ~ 120 bpm; Neo/Ped 0 ~ 150 bpm
- Resolution : 1bpm
- Accuracy ± 2 breath/min

Optional

- IBP Module (Single/Dual Channel), Printer, Central Monitoring Software
- VGA Output



Multi Para Monitor

Model No. MP 8400

(3 Para / 5 Para / 7 Para)



MP 8400 is 3 Para model but upgradable up to 7 Para

General Features

- Light weight, compact and portable
- High resolution with screen size 8.4" colour TFT display
- Alarm: Audible and visual Alarm with alarm events review
- Built-in rechargeable lithium battery
- ECG waveforms of 7 leads display on the same screen
- Parameter display - SpO₂-PR, NIBP, ECG
- 2400 NIBP measurement data can be stored and recall
- Data and waveforms colour can be adjustable as it can be stored and recall.
- 72 hours graphic and tabular of all parameters
- 71 alarm events of all parameters recall
- 32 seconds full – disclosure waveform review
- Apnea detection : 10 ~ 40s
- AC to DC Adapter
- Pacemaker Detection
- Arrhythmia analysis and S-T Segment analysis and its detection
- Drug Calculation
- Suitable for adult, paediatric and neonatal patients
- Approx 2.5 hours Battery backup
- Dimension= 235 X 141 X 222 mm
- Weight: 2.5kg

Technical Specifications

ECG

ECG Gain=2.5mm/mv,5.0mm/mv,10mm/mv,20mm/mv
Heart rate range
Adult: 15-300 bpm
Paediatric: 15-350 bpm
Measurement range:- .2mv-+2.0mv

SpO₂

- Measurement Range : 0 ~ 100%

- Accuracy for SpO₂ : $\pm 1\%$ (for 70 ~ 100%) and unspecified for 0 ~ 69%

Pulse Rate

- Range : 30 ~ 250 bpm
- Accuracy for PR : $\pm 2\%$ or ± 2 bpm

NIBP

- Measurement Range : 10 ~ 270 mmHg
- Modes : Manual / Auto / Continuous with Oscillometric Method

ECG

- Lead Mode : 3 lead or 5 lead
- Lead Selection : I, II, III, avR, avL, avF and V
- Heart Rate Range :
 - » Adult : 15 ~ 300 bpm
 - » Paediatric / Neonatal : 15 ~ 350bpm
- ECG Waveform : 2 Channels
 - » Accuracy : ± 1 bpm or $\pm 1\%$
- ST segment detection :
Measurement range: -0.2 mV ~ +2.0mV

Respiration

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

Temperature

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

Optional : Upgradable up to 7 para
(2-TEMP RESP, EtCO₂, IBP, Printer)
Central Monitoring - LAN networking or Wireless
VGA Output



Model No. MP 1210



MP 1210 (5 Para)

General Features

- Light weight, compact and portable
- High resolution with screen size **12.1"** colour TFT display
- Alarm: Audible and visual Alarm with alarm events review
- **Detachable rechargeable lithium battery**
- 480 hours graphic and tabular of all parameter
- 71 alarms events of all Parameters
- 2400 NIBP measurement Data can be stored and recall
- Battery backup : **Approx.90 min**
- Apnea alarm 10-40s
- ECG waveforms of 7 leads display on the same screen
- **32 seconds** full – disclosure waveform review
- Arrhythmia analysis and S-T Segment analysis and its detection
- Data and waveforms color can be stored and recall
- Suitable for **adult, paediatric and neonatal patients**
- Battery backup - **2 hours**
- Dimension = **314 X 145 X 264 mm**
- Weight : **3.8 kg**

Technical Specifications

SpO₂

- Accuracy for PR : **±2 bpm**

NIBP

Resolution Pressure : **1mm hg**

ECG

Measurement rang : **0.2 mg-0.2 mg**

Pulse rate

Range : **30-250rpm**

Technical Specifications

SpO₂

- Accuracy for PR : **±2 bpm**

NIBP

Resolution Pressure : **1mm hg**

ECG

Measurement rang : **0.2 mg-0.2 mg**

Pulse rate

Range : **30-250rpm**

Accuracy for PR±2 bpm

Resolution : **1 bpm**

- Measurement Range : **0 ~ 100%**

- Accuracy for SpO₂ : **±2%** (for **70 ~ 100%**)and unspecified for **0 ~ 69%**

Pulse Rate

- Range : **30 ~ 250 bpm**

- Accuracy for PR : **± 3 bpm**

NIBP

- Measurement Range : **10 ~ 270 mmHg**

- Modes : **Manual / Auto / Continuous** with Oscillometric Method

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 ~ 300bpm**

- **ECG Waveform : 2 Channels**

- » Accuracy : **± 1 bpm or ±1%**

- ST segment detection :

Measurement range: **0.2 mV ~ 2.0mV**

Respiration

- Accuracy : **±2 rpm**

- Method : **RA-LL impedance**

- Adult : **0 ~ 120 breath/min**

- Paediatric / Neonatal : **0 ~ 150 breathe/min**

Temperature

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

Optional : EtCO₂, IBP, Printer

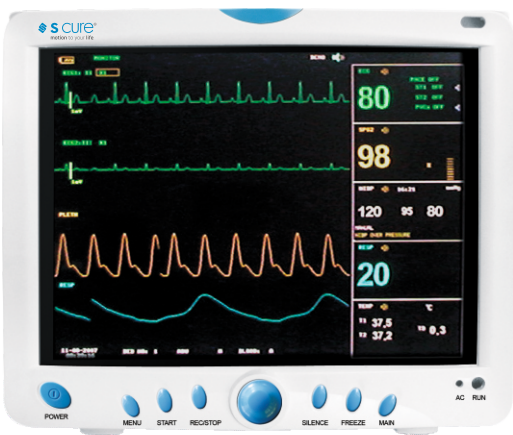
Central monitoring software & cable

(LAN networking or wireless)

VGA Output



Model No. MP 1220



MP 1220 (5 Para)

General Features

- Display : High Resolution **12.1"** TFT colour LCD
- Built in rechargeable battery with uninterrupted monitoring up to **2 hours**
- Standard Parameters : **SpO₂-PR, NIBP, ECG, RESP and TEMP (dual channel)**
- Applicable for **Adults, Paediatrics and Neonates**
- Synchronize display of 8 waveforms
- Waveforms and parameters colour can be changed
- **Alarms** : Technical Alarm, 71 physiological alarms, and 60 arrhythmia alarms
- Digital SpO₂ technology, which has strong anti-interference and anti- weak-filling capability
- **Trend review for 480 hours and review for 2400 groups of BP data**
- Storage of review of **72 hour ECG waveforms** with the mounting SD card
- Calculation of drug concentration
- **Network Function** : Connect Central monitoring station, other bed observation, and software updating
- Archive data storage and software updating by USB interface
- **Connection mode: wired, Wi-Fi, and 3G**
- **Print ECG, SpO₂, RESP, NIBP, and TEMP data with one key**
- Anti high frequency surgical unit, defibrillation proof (Requirement for special leads)
- Dimension=**235 X 141 X 222 mm**
- Weight: **2.5kg**

Optional : IBP and EtCO₂ Printer

- **Built in printer, curving handle, moving hanging bracket, VGA output, 12 lead and vehicle Power**

Technical Specifications

SpO₂

- Measurement Range : **0 ~ 100%**
- Accuracy for SpO₂ : **±2%** (for **70 ~ 100%**) and unspecified for **0 ~ 69%**
- Alarm Range : **0 ~ 100%**

Pulse Rate

- Range : **30 ~ 250 bpm**

- Accuracy for PR : **±2bpm or ±2%**

- **With Pulse modulation volume**

NIBP

- Measurement Range : **10 ~ 270 mmHg**

- Modes : **Manual / Auto / Continuous** with Oscillometric Method

- Accuracy for NIBP Measurement : **±5mmHg**

- **Measuring interval in AUTO Mode** : 1 / 2 / 3 / 4 / 5 / 10 / 15 / 30 / 60 / 90 / 120 / 240 / 480 / **960 minutes** with over pressure protection

ECG

- Lead Mode : **3 lead or 5 lead**

- Lead Selection : **I, II, III, avR, avL, avF and V**

- Gain : **x0.25, x0.5, x1, x2**

- Scan Speed : **12.5mm/s, 25mm/s, 50mm/s**

- Heart Rate Range :

- » Adult : **15 ~ 300 bpm**
- » Paediatric / Neonatal : **15 ~ 350bpm**

- ST Segment detection :

- » Measurement Range : **-2.0 mV ~ +2.0 mV**
- » Accuracy : **-0.8mV ~ +0.8mV, ±0.04mV or ±10% whichever is greater**

- Arrhythmia Analysis :

- » Analyze up to 13 arrhythmia
- » Beat volume off or **1 ~ 7**
- » With Pacemaker detection

Respiration

- Method : **(RA – LL) impedance**

- Adult : **0 ~ 120 breath/min**

- Paediatric / Neonatal : **0 ~ 150 breath/min**

- Accuracy : **±2 breath/min**

- Apnea Alarm : **10 ~ 40s**

- Scan Speed : **6.25mm/s, 12.5mm/s, 25mm/s**

Temperature

- Range : **0 ~ 50°C**

- Accuracy : **± 0.1°C** (dual channel)



Multi Para Monitor

Model No. MP 1200



MP 1200 (5 Para)
Upgradable with touch screen

General Features

- High resolution **12.1"** color TFT display with multi channel waveform display
- Parameter display - **SpO₂-PR, NIBP, ECG, RESP, 2-TEMP**
- **500 NIBP measurement data can be stored and recall**
- Data and waveforms color be adjustable
- **Built-in high energy rechargeable lithium battery**
- ECG waveforms of 7 leads display on the same screen
- **72 hours graphic and tabular trends of all parameters**
- **72 alarm events** of all parameters recall
- Battery backup - **2 hours**
- **96 hours** data storage
- Dimension= **300 X 270 X 150 mm**
- Weight: **3 kg**

Technical Specifications

SpO₂

- Measurement Range : **0 ~ 100%**
- Accuracy for SpO₂ : **±2%** (for **70 ~ 100%**) and unspecified for **0 ~ 69%**

Pulse Rate

- Range : **0 ~ 254 bpm**
- Accuracy for PR : **± 2 bpm**

NIBP

- Measurement Range : **10 ~ 270 mmHg**
- Modes : **Manual / Auto / STAT** with Oscillometric Method
- Measuring period in **STAT** Mode : **5 Min**

ECG


- Gain
2.5mm/mv, 5.0mm/mv, 10mm/mv, 20mm/mv•
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 ~ 350 bpm**
- **ECG Waveform : 2 Channels**
 - » Accuracy : **± 1 bpm** or **±1%**
- ST segment detection :
Measurement range: **0.2 mV ~ 2.0mV**

Respiration

- Method : **RA-LL impedance**
- Adult : **0 ~ 120 breath/min**
- Paediatric / Neonatal : **0 ~ 150 breath/min**
- Resolution : **1 breath/min**
- Accuracy : **±2 breath/min**

Temperature

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

Optional : Touch Screen,  Masimo SpO₂,
EtCO₂, IBP, Printer

Central monitoring software & cable
(LAN networking or wireless)

VGA Output



Multi Para Monitor

Model No. MP 1201



MP 1201 (5 Para)
Upgradable with touch screen

General Features

- Light weight, compact and portable
- High resolution with screen size **12.1"** colour TFT display
- Alarm: Audible and visual Alarm with alarm events review
- Parameter display - **SpO₂-PR, NIBP, ECG, RESP, 2-TEMP**
- Built-in rechargeable lithium battery
- ECG waveforms of 7 leads display on the same screen
- **480 hours graphic and tabular of all parameters**
- **71 alarm events** of all parameters recall
- **32 seconds** full – disclosure waveform review
- **2400 NIBP measurement data can be stored and recall**
- Data and waveforms color can be adjustable
- Arrhythmia analysis and S-T Segment analysis
- Apnea detection : **10 ~ 40s**
- Suitable for **adult, paediatric and neonatal patients**
- Battery backup - **2 hours**
- Dimension= **319 X 161 X 269 mm**
- Weight: **3.6 kg**

Technical Specifications

SpO₂

- Measurement Range : **0 ~ 100%**
- Accuracy for SpO₂ : **±2%** (for **70 ~ 100%**) and unspecified for **0 ~ 69%**

Pulse Rate

- Range : **20 ~ 254 bpm**
 - Accuracy for PR : **± 3 bpm**
- #### NIBP
- Measurement Range : **10 ~ 270 mmHg**
 - Modes : **Manual / Auto / Continuous** with Oscillometric Method
- #### 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 ~ 300bpm**
 - **ECG Waveform : 2 Channels**
 - » Accuracy : **± 1 bpm** or **±1%**
 - ST segment detection :
Measurement range: **0.2 mV ~ 2.0mV**
- #### Respiration
- Adult : **0 ~ 120 breath/min**
 - Paediatric / Neonatal : **0 ~ 150 breathe/min**
- #### Temperature
- Range : **0 ~ 50°C** • Accuracy : **± 0.1°C**

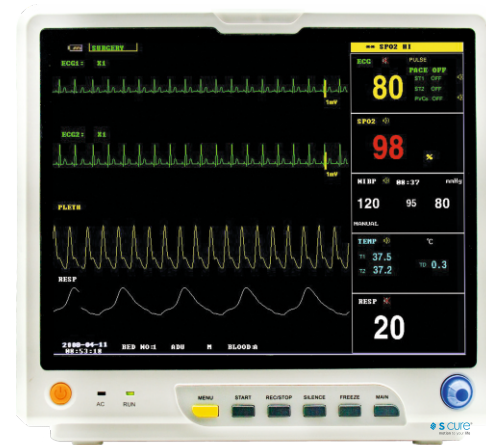
Optional :

EtCO₂, IBP, Printer
Central monitoring software & cable
(LAN networking or wireless) with
Touch screen
VGA Output



Multi Para Monitor

Model No. MP 1500



MP 1500 (5 Para)
Upgradable with touch screen

General Features

- High resolution with screen size **15"** colour TFT display
- Audio and Visual Alarm - Adjustable
- Built in Lithium rechargeable battery
- Built in Memory and Built in Recorder
- **2400** pieces of **NIBP** measurement data can be stored and recall
- **HRV analysis of Heart Rate Variability**
- **ECG waveforms of 7-leads display on the same screen**
- **72 hours** ECG waveform data storage and review
- Battery backup - **2 hours**
- **USB data storage**
- **480 hours tabular** and graphic trends and data storage
- **120 seconds full** - disclosure freeze waveform review
- **100 pcs** of ARR alarms data can be stored and recall
- **100 pcs** of regular alarms data can be stored and recall
- **Big font display** and with Network capacity
- **IBP, EtCO₂, Recorder, Central Monitoring can be upgradable by Network or USB**
- Size : **363 X 168 X 339mm**
- Weight : **4.9 kg**

Technical Specifications

- Accuracy for PR : **± 2 rpm**
- Resolution : **1bpm**
- SpO₂**
 - Measurement Range : **0 ~ 100%**
 - Accuracy for SpO₂ : **±2%** (for **70 ~ 100%**) and unspecified for **0 ~ 69%**
- Pulse Rate**
 - Range : **30 ~ 255 bpm**
 - Accuracy for PR : **± 3 bpm**

NIBP

- Measurement Range : **10 ~ 270 mmHg**
- Modes : **Manual / Auto / Continuous** with Oscillometric Method

ECG

- ECG waveform
- Accuracy: **±2 bpm** or **±1%**
- 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 ~ 300bpm**

- **ECG Waveform : 2 Channels**
 - » Accuracy : **± 1 bpm** or **±1%**

- ST segment detection :
Measurement range: **0.2 mV ~ 2.0mV**

Respiration

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

Temperature

- Alnea Alarm : **10-40s**
- Range : **0 ~ 50°C** • Accuracy : **± 0.1°C**

Optional :

- **Touch Screen**
- **IBP, EtCO₂, Recorder**
- **Connection mode: RJ45**
- **Central monitoring software & cable (LAN Monitoring) or (Wireless - 3G, Wi-Fi)**
- **VGA Output**



IBP & EtCO₂ Module



EtCO₂ (SIDE STREAM) Module



IBP Module



EtCO₂ (MAIN STREAM) Module



Reusable IBP Extension Cable



Disposable IBP Kit

IBP (Invasive Blood Pressure)

- Measure in single or dual
- 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**
- 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**
- Accuracy : **±2% or 1 mmHg**

Optional :

- **Dual IBP (IBP module has two out let for dual IBP, which we can upgrade to Dual IBP with one extra cable and one disposable kit)**
 - **Need 01 nos IBP cable extra**
 - **Need 01 nos Disposable**

EtCO₂ (End Tidal CO₂)

- Measure the value of CO₂ in human Body

Types

- Main Stream
- Side Stream

Mainstream

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

Sidestream

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



Model No. SP 201



Rate, Time Volume & Dosage Weight Mode

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
- 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)

General Features

- Rechargeable lithium battery
- 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 syringe, near empty syringe, low Battery, syringe loose, wrong setting, AC Power has been pulled out, Purge
- 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
- 2 Hours Battery backup with 6 month Battery warranty
- Dimension - 280mm(L) X 210mm(W) X 130mm(H)
- Weight: 2.2 kg

- KVO Rate : 0.1ml/h ~ 5ml/h (0.1ml/h step)
- Total Injection Volume : 0.1ml ~ 9999.9ml (0.1ml step)
- 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, 50/60 Hz; 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. SP 301



Rate mode, Time Volume mode, Dosage Weight mode & Loading dose Mode

General Features

- Fast start function against start delay
- Long runtime battery with 12 Hours battery backup
- Intuitive Keypad with Keypad locking system
- With parameters enlarge function
- DPS (Dynamic Pressure show)

Technical Specifications

- Power Supply
- DC-15V
- Flow Rate Accuracy $\rightarrow 1$ ml/h, $\pm 2\%$
- Bolus Setting
- VTBI - 0~9999ml, Minimum step is 0.1ml
- Dimensions - 394(w)*90(D)*123(H)mm
- Display : 2.8" Colour TFT
- Power Supply
 - AC : 110 V ~ 240 V, 50/60 Hz
 - DC : 12V
- Battery Life : Approx 12 Hours (at 5ml/h flow rate with new fully charged battery)
- Compatible with Syringe Size : 5ml, 10ml, 20ml, 30ml, 50 or 60ml
- Flow Rate : 0.1 ~ 1500ml/h
- Flow Rate Accuracy : $\pm 2\%$
- Dose rate Units : More than 15 types
- Automatically calculate flow rate
- Bolus Setting :
 - Manual Bolus
 - Programmable Bolus
- KVO Rate : 0.1 ~ 5.0ml/h
- VTBI : 0 ~ 9999ml

- Three Infusion modes : Rate mode, Time Volume mode, Dosage Weight mode
- Micro Mode and Stand By mode with 0 ~ 23 hour 59 mins adjustable
- Brightness and Alarm are adjustable
- Alarms : VTBI near end, VTBI infused, Pressure high, Battery nearly empty, Battery empty, No Power Supply, Remainder alarm, and KVO Finished
- Three Level of Occlusion : High, Medium and Low
- Records more than 2000 entries
- Supported with more than 60 Drug Library
- Mini USB interface in order to transfer data from Syringe Pump into PC
- With Automatic Calibration and automatic anti-bolus system
- Classification : Class I, CF
- Water proof Standard : IP 24
- Machine Weight : 1.7Kg
- Wi-Fi connection (Optional)
- Dimension - 394(L) X 90(W) X 123(H) mm
- Weight: 2 kg



Model No. SP 401



Touch Screen with 7 infusion modes (includes Rate mode, Time mode & Body weight mode)

General Features

- Fast start function against start delay
- Long runtime battery with **12 Hours** battery backup
- Intuitive Operating System
- **DERS** (Drug error reduction system)
- Screen can be Locked

Technical Specifications

- Display : **4.3" Colour TFT with touch screen**
- Power Supply
 - » AC : **110 V ~ 240 V, 50/60 Hz**
 - » DC : **12V**
- Battery Life : **Approx 12 Hours** (at 5ml /h flow rate with new fully charged battery)
- Charging Time < 5 hours
- Compatible with Syringe Size : **5ml, 10ml, 20ml, 30ml, 50 or 60ml**
- Flow Rate : **0.01 ~ 1500ml/h** (Depending on Syringe Size)
- Flow Rate Accuracy : **±2%**
- VTBI : **0 ~ 9999ml**
- Dose rate Units : **More than 15 types**
- **Automatically calculate flow rate**
- With Purge and Titration Support
- **Bolus Setting :**
 - » Manual Bolus
 - » Programmable Bolus
- KVO Rate : **0.01 ~ 5.0ml/h**
- **7 Infusion modes**
 - With Relay mode, Micro Mode and Stand By mode with **0 ~ 23 hour 59 mins** adjustable
 - Brightness and Alarm are adjustable
 - **Alarms :** VTBI near end, VTBI infused, Pressure high, Battery nearly empty, Battery empty, No Power Supply, Remainder alarm, and KVO Finished, Check Syringe, Syringe empty, Standby time expired, System error.
 - **Up to 12 Level of Occlusion**
 - Records more than **5000 entries** & with more than **2000 Drug Library**
 - Mini USB interface in order to transfer data from Syringe Pump into PC
 - **With Automatic Calibration**
 - **With Automatic anti – bolus function**
 - IrDA Supported
 - Classification : **Class I, CF**
 - Water proof Standard : **IP 24**
 - Machine Weight : **1.7Kg**
 - **Wi-Fi connection (Optional)**

Model No. IP 201



General Features

- **Rechargeable lithium battery**
- 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, AC Power has been pulled out, Purge 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
- **Purge function**
- **KVO (keep-vein-open)** automatically open as injection is completed
- **4 hours** battery backup time for normal function
- **Drop sensor**
- Dimension : **280(L) X 210(W) X 130(H)mm**
- Weight : **2.2Kg**

Technical Specifications

- Infusion Rate : **1ml/h ~ 1,200ml/h**
- Flow Rate Accuracy : Within **±5%** (after correct calibration)
- Mechanical Precision : Within **±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**
- **Power Source :** 100 ~ 240Vac, 50/60 Hz; Internal rechargeable Li battery, Capacity ≥ 1,600mAh, 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 12 hours.
- **Bubble detector :** Ultrasonic wave detector;
- **Detection Sensitivity ≥ 25μL**
- **Optional : Drug library (store 2000pcs injection records), wall mounting stand**
- Three Level of Occlusion : **High, Medium and Low**
 - **High :** 800mmHg ± 200mmHg (106.7 kPa ± 26.7kPa)
 - **Medium :** 500mmHg ± 100mmHg (500mmHg kPa ± 13.3kPa)
 - **Low :** 300mmHg ± 100mmHg (40.7kPa ± 13.3kPa)
- **Alarms**
 - Tube is blocked; There are bubbles; Close the door; infuse finish; Wrong setting, Low battery, AC power has pulled out; Purge; Data processing; BOLUS running; Forget to operate, etc.

Infusion Pump

Model No. IP 301



Touch Screen with 3 infusion modes & 4 Level of Occlusion

General Features

- DERS (Drug error reduction system)
- Long runtime battery with approx **9 Hours** battery backup
- Intuitive Operating System
- **Screen can be Locked**

Technical Specifications

- Display : **4.3" colour TFT with Touch Screen**
- Power Supply
 - » AC : **110V ~ 240V, 50/60 Hz**
 - » DC : **12V**
- Battery Life : Approx **09 Hours** (at 25ml /h flow rate with new fully charged battery)
- Charging Time < 5 hours
- Flow Rate : **0.01 ~ 1200ml/h**
- Flow Rate Accuracy : **±5%**
- VTBI : **0 ~ 9999ml**
- Dose rate Units : **More than 15 types**
- Can automatically calculate flow rate
- With Purge and Titration Support
- Bolus Setting :
 - » Manual Bolus
 - » Programmable Bolus
- KVO Rate : **0.01 ~ 5.0ml/h**
- With Relay mode, Micro mode and Standby mode with **0 ~ 23 hour 59 mins** adjustable
- Brightness and Alarm volume are adjustable
- **Alarms**
VTBI near end, VTBI infused, Pressure high, Battery nearly empty, Battery empty, No Power Supply, Remainder alarm, and KVO Finished, Check Upstream, Drops error, Air Bubble, Door Open, Stand by time expired, System error.

- **4 Level of Occlusion**
- Automatic Anti- bolus function
- Records more than 5000 entries & with more than **30 Drug Library**
- Mini USB interface in order to transfer data from Syringe Pump into PC
- IrDA Supported
- Classification : **Class I, CF**
- Water proof Standard : **IP 24**
- Machine Weight : **1.6Kg**

Optional : Wi-Fi connection

7 Infusion modes

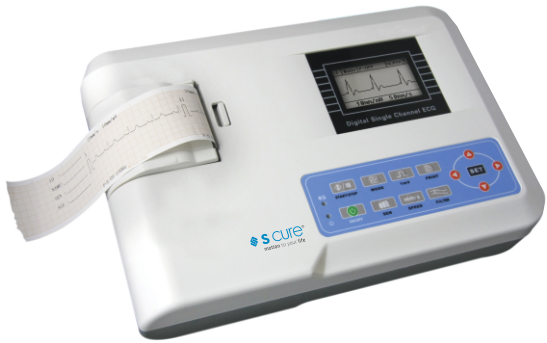
12 Level of Occlusion

2000 Drug Library



Single Channel ECG

Model No. ECG 100



Digital Single Channel ECG with interpretation

General Features

- AC/DC Operated
- Rechargeable Lithium Battery
- The device can record single channel ECG waveform and can remark the lead sign, sensitivity paper speed and filter state
- **It can record 160 of ECG waveforms and print continuous for 4 hours**
- Portable, Light weight and sturdy look
- **Mode of printing : Automatic / Manual**
- Output system : **High resolution thermal - array (8 dots/mm), non-adjustable**
- **Digital signal processor for effective inhibition of AC, EMG and DFT, receive the better ECG waveform**
- Battery backup : **3 hours**

Technical Specifications

- **2.7" LCD Display**
- Power Supply
 - » AC : **100 ~ 240V, 50/60 Hz**
 - » DC : **7.4V, 2000 mAh rechargeable lithium battery**
- Lead : **12 leads**
- Input way : Floating and defibrillation protection
- Input impedance : **≥ 50MΩ**
- Frequency response : **0.05Hz ~ 150Hz (-3 dB ~ 0.4 dB)**
- Time Constant : Time **≥ 3.2s**
- CMRR : **≥ 60 dB, ≥ 100 dB** (add filter)
- EMG interference filter : **35Hz (-3dB)**
- **High speed thermal paper**
- Paper Speed : **25mm/s, 50mm/s {Error: ±5%}**
- Sensitivity choice : **5, 10, 20 mm/mV {Error: ±5%}**
- **Standard sensitivity is 10mm/mV ±0.2%**
- Patient leak current : **≤ 10μA**
- Enduring polarization voltage : **±300mV**
- Noise level : **≤ 15μVp-p**
- Fuse Specification : 2pcs (5*20mm AC time lags); T1.6AL250V (Power Supply : 220V)
- Classification : **Class I, CF applied part**
- Recording papers : **50mm (W) X 20m (L)**
- Recording : **Auto and Manual**
- Recording way : **Thermal printing system**
- Machine Size : **315 (L) x 215 (W) x 77(H) mm**
- Machine Net Weight : **1.5Kg**

Operation

- » Environment temperature : **+5°C ~ +35°C**
- » Relative Humidity : **≤ 80%**
- » Atmospheric Pressure : **86kPa ~ 106kPa**

Store & Transportation

- » Environment temperature : **-40°C ~ +55°C**
- » Relative Humidity : **≤ 95%**
- » Atmospheric Pressure : **50kPa ~ 106kPa**

Optional :

- **Basic Software : for data transfer & print**



Three Channel ECG

Model No. ECG 300



Digital Three Channel ECG
colour display with interpretation

Technical Specifications

- 3.5" LCD Display
- Power Supply
 - » AC : 100 ~ 240V, 50/60 Hz
 - » DC : 7.4V, 3700 mAh rechargeable lithium battery
- Input way : Floating and defibrillation protection
- Lead : 12 leads
- Patient leak current : $\leq 10\mu A$
- Frequency response : 0.05Hz ~ 150Hz (-3 dB ~ 0.4 dB)
- Time Constant : Time $\geq 3.2s$
- CMRR: ≥ 60 dB, ≥ 100 dB (add filter)
- EMG interference filter : 35Hz (-3dB)
- AC Filter : 50/60Hz
- Sampling Rate : 1000Hz
- Recording way : Thermal printing system
- Recording papers : 80mm (W) X 20 m (L)
- Paper Speed :
 - » Auto record : 25mm/s, 50mm/s
 - » Manual record : 5, 6.25, 10, 12.5, 25, 50 mm/s
 - » Rhythm Record : 25mm/s, 50mm/s
- Classification : Class I, CF applied part
- Enduring polarization voltage : $\pm 300mV$
- Sensitivity choice : 2.5, 5, 10, 20, 40 mm/mV {Error: $\pm 5\%$ }
- Standard sensitivity is 10mm/mV $\pm 0.2\%$
- Auto Interpretation
- Fuse Specification : 2pcs (5*20mm AC time lags); T1.6AL250V (Power Supply : 220V)

General Features

- Simultaneous display 3 leads ECG Waveform and can remark the lead sign, sensitivity paper speed and filter state
- AC / DC Operated
- 3 channel ECG with Interpretation
- Rechargeable Lithium Battery
- Battery backup : 90 minutes (with continuous printing)
- Simultaneous display 3/6/12 leads ECG waveform and can remark the lead sign, sensitivity paper speed and filter state
- Data interpretation
- It can store more than 1000 patient's data (Cases), more convenient for data review & statistics
- Portable, Light weight and sturdy look
- **Mode of printing : Automatic / Manual**
- Dimension : 315(L) X 215(W) X 77(H)mm
- Weight : 1.6Kg

Printing Modes

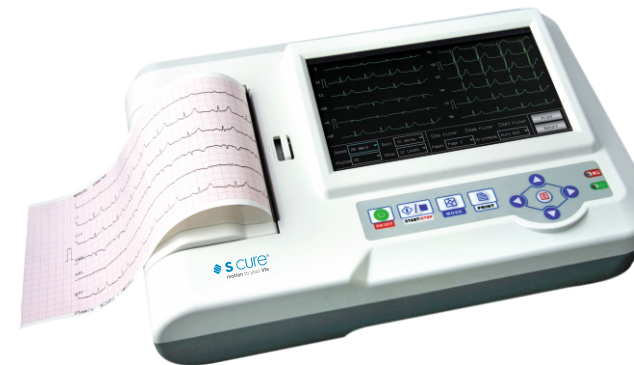
- 4*3
- Auto 3*4 +1
- Auto 3*4
- Auto 2*6 +1
- Auto 2*6
- Rhythm 4
- Rhythm 3
- Rhythm 2
- Manual mode
- Measurement parameter : HR, P-R interval P Duration, QRS Duration, Q Interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5) + S(V1) T Duration, Q.T Interval
- Recording : Auto and Manual

Optional :

- PC Interface software and touch screen

Six Channel ECG

Model No. ECG 600



Digital Six Channel ECG

Technical Specifications

- 7" LCD Display with touch screen
- Power Supply
 - » AC : 100 ~ 240V, 50/60 Hz
 - » DC : 7.4V, 3700 mAh rechargeable lithium battery
- Input way : Floating and defibrillation protection
- Lead : 12 leads
- Patient leak current : $\leq 10\mu A$
- Frequency response : 0.05Hz ~ 150Hz (-3 dB ~ 0.4 dB)
- Time Constant : Time $\geq 3.2s$
- CMRR: ≥ 60 dB, ≥ 100 dB (add filter)
- EMG interference filter : 35Hz (-3dB)
- AC Filter : 50/60Hz
- Sampling Rate : 1000Hz
- Recording way : Thermal printing system
- Recording papers : 110mm (W) X 20 m (L)
- Paper Speed :
 - » Auto record : 25mm/s, 50mm/s
 - » Manual record : 5, 6.25, 10, 12.5, 25, 50, 100 mm/s
 - » Rhythm Record : 25mm/s, 50mm/s
- Classification : Class I, CF applied part
- Enduring polarization voltage : $\pm 300mV$
- Sensitivity choice : 2.5, 5, 10, 20, 40 mm/mV {Error: $\pm 5\%$ }
- Standard sensitivity is 10mm/mV $\pm 0.2\%$
- Auto Interpretation
- Fuse Specification : 2pcs (5*20mm AC time lags); T1.6AL250V (Power Supply : 220V)

General Features

- AC / DC Operated with Rechargeable Lithium Battery
- 6 channel ECG with Interpretation
- Battery backup : 90 minutes
- Simultaneous display 3/6/12 leads ECG waveform and can remark the lead sign, sensitivity paper speed and filter state
- It can store more than 1000 of patient's data more convenient for data review & statistics
- Portable, Light weight and sturdy look
- **Mode of printing : Automatic / Manual**
- Dimension : 315(L) X 215(W) X 92(H)mm
- Weight : 1.7 Kg

Printing Modes

- 6*2+1
- Auto 6*2
- Auto 4*3+1
- Auto 4*3
- Auto 3*4+1
- Auto 3*4
- Auto 2*6 +1
- Auto 2*6
- Rhythm 7
- Rhythm 6
- Rhythm 5
- Rhythm 4
- Rhythm 3
- Rhythm 2
- Manual Mode
- Measurement parameter : HR, P-R Interval duration, QRS Duration, QT Interval, T Duration, Q-TC, P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5)+S(V1),
- Recording : Auto and Manual

Optional :

- PC Interface software via RS 232 interface / USB / Ethernet
- Basic software : For data Transfer & Print

Twelve Channel ECG

Model No. ECG 1201



Digital twelve channel ECG with A4 size printing

Technical Specifications

- **8" LCD Display with Touch screen**
- Power Supply
 - » AC : 100 ~ 240V, 50/60 Hz
 - » DC : 14.8V, 3700 mAh rechargeable lithium battery
- Input way : Floating and defibrillation protection
- Lead : Standard 12 leads
- Patient leak current : $\leq 10\mu A$
- Input impedance : $\geq 50M\Omega$
- Frequency response : 0.05Hz ~ 150Hz (-3 dB ~ 0.4 dB)
- Time Constant : Time $\geq 3.2s$
- CMRR : $\geq 60 dB$, $\geq 100 dB$ (add filter)
- EMG interference filter : 35Hz (-3dB)
- Recording papers : 210mm (W) X 20 m (L)
- Recording : **Auto, Manual and Rhythm**
- Recording way : **Thermal printing system**
- Paper Speed :
 - » **Auto record** : 25mm/s, 50mm/s, error $\pm 5\%$
(Record setup according to auto record format and mode, automatically measuring and analyzing)
 - » **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.)
 - » **Rhythm Record** : 25mm/s, 50mm/s, error $\pm 5\%$
(Record setup according to auto record format and mode, automatically measuring and analyzing)
- Sensitivity choice : 2.5, 5, 10, 20, 40 mm/mV, {Error: $\pm 5\%$ }
- **Standard sensitivity is 10mm/mV $\pm 0.2\%$**

General Features

- AC / DC Operated with Rechargeable Lithium Battery
- Battery backup : **90 minutes continuous printing, Up to 4 hours in standby mode**
- Display 3/6/12 leads ECG waveform and can remark the lead sign, sensitivity paper speed and filter state
- Data interpretation
- Storage capacity up to 1000 of patient's data more convenient for data review & statistics
- Portable, light weight and sturdy look
- **Modes of printing : Automatic / Manual**
- Dimension : 340(L) X 320(W) X 85(H)mm
- Weight : 3.2 Kg

Printing Modes

- 12*1
- 6*2 + 1
- 6*2
- Rhythm row 12, row 10, row 8, row 6 etc with multiple formats
- Measurement parameter : HR, P-R interval P Duration, QRS Duration, T Duration, Q-T interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5)+ S(V1)
- Product safety type : **Class I CF applied part, with defibrillation and pacing protection circuit in it**
- Enduring polarization voltage : $\pm 500mV$
- Noise level : $\leq 15\mu Vp-p$

Optional : PC Interface software via RS 232 interface / USB / Ethernet and software

ECG Holter

Model No. ECGH 100 (Single Channel)



Electrodes: 3 Leads

Model No. ECGH 300, ECGH 1200

(Three Channel) / 12 Channel



Electrodes: 5/12 Leads

General Features (Common for Both Model)

- Display : OLED
- **AAA size battery with Battery Backup of 24 hrs**
- USB Interfacing
- In Built storage up to 1GB
- ECG Data storage for the 24 hours

Software Features (Common for Both Model)

- There are more than 10 templates as atrial premature beat module, ventricular premature beat module, long interval 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 anytime with the function of fast wave form 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 infarction.**
- **"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.**

PARAMETER	ECGH 100	ECGH 300 / ECGH 1200
Design	Compact	Compact
Display	OLED	OLED
Event Marking	YES	YES
Inbuilt Memory	1 GB	1 GB
Battery	AAA size battery which last for 24 hrs	AAA size battery which last for 24 hrs
Electrodes	3 Leads	5/12 Leads
Interfacing	USB	USB
Recording the state of pacemaker	YES	YES

Biphasic Defibrillator

Model No. DF 201

with ECG



General Features (Common For DF 201, DF 301 and DF 401)

- Input : **150~270 VAC , 50Hz**
- Battery - 12V, 4.5Ah, Rechagable Battery Capacity 3 hours For monitor & 70~100 Shocks on single Charge
- Charging time less than 6 Seconds
- Operation-by Front Panal Key board, Encoder & ON-Off By front Panel Push Button
- Display : **7" Colour TFT** with ECG display and printer / Recorder
- Input : 150 ~ 276 VAC, 50 Hz
- Output : 17V at 4A
- Power Consumption : 30 Watts (Max) in ECG mode
- Operating Temp : -5°C to +50°C
- Humidity : up to 95% non condensing
- Rechargeable lithium battery with charger (11.1V)
- LED Indicator : Low battery and battery charging

Model No. DF 401

with ECG, AED & Printer

Additional General Features

- Operating Mode : Manual & AED
- Paper type Printer : Thermal paper
- SpO₂, NIBP, Pacemaker, EtCO₂ is optional

ECG

- Lead Selection for ECG : Lead I, II and III
- **Sweep speed for ECG : 12.5, 25, 50mm/s**
- Waveform 1 : **ECG**
- Waveform 2 : **4 sec delayed (Cascaded)**
- Freeze Mode : To Freeze up to 4 Second ECG
- Frequency response : **0.5Hz to 35Hz**
- Patient Isolation : Optical isolation
- Gain Setting : **0.5, 1 and 2**
- CMRR: **≥ 90 dB**
- Digital Filter : Digital Signal processing for good quality of ECG
- Dimension : **280(L) X 330(W) X 200(H)mm**
- Weight : **6.5 Kg**

Model No. DF 301

with ECG & Printer

DEFIB

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

- **Appearance will be same for DF 201/301/401**

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 : **Bi Phasic**
- 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 7 seconds
- 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)

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	Optional	Yes	Yes
5	AED Mode	Optional	Optional	Yes
6	Pacemaker	Optional	Optional	Optional
7	SpO ₂	Optional	Optional	Optional
8	NIBP	Optional	Optional	Optional
9	EtCO ₂	Optional	Optional	Optional

- Frequency : From 20ppm to 250ppm (increments of 1ppm)
- Refectory 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
- **PR Range : 10 ~ 250bpm**
- 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 280mmHg
- **Range : 10 ~ 250mmHg**
- 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 mmHg
- Breathe rate : **3 ~ 150bpm**
- Range : 0 ~ 13%
- Accuracy : 2mmHg ≤ 5.0% CO₂ (at ATPS)
- Resolution : 1mmHg

AED

Model No. AED 1000



For Adult

General Features

- 3.5" Color LCD Display (for AED 2000)
- Three step defibrillation Process
- Simple and quick two button Operation
- Biphasic Energy Output
- Extensive voice and visual prompts for the operator
- Lock-out protection to prevent inadvertent defibrillation

Technical Specifications

- Energy Sequence : **150, 150 & 200 J**
- Energy Sequence: Adult: 150, 150 & 200J; Pediatric: 50, 50, 85J (Adjustable) (for AED 7000 plus)
- Charge Time : **8 Sec. for 150 J, 10 sec. for 200 J (new battery)**
- Analysis Time : **9 Sec.**
- Max. time from initiation of rhythm analysis to readiness of discharge with a new battery : **less than 30 seconds**
- Audible Prompts : **20 audible prompts**
- Visual Prompts : **LED prompts**

Model No. AED 2000



For Adult & Pediatric

- Controls : **Two buttons – On/Off, Shock**
- Output Energy Accuracy : **+/-15% into any impedance from 25 to 175 Ohm**
- Maximum Voltage : **1200 +/- 50V**
- Output disabled when the patient impedance is outside limits : **20 to 200 Ohm**

Battery (For AED 1000)

Non-rechargeable: 12V D.C. 3.0Ah
Capacity 100 Discharges at 200 Joules or 120 Discharges at 150 Joules
Shelf life (25 °C +/-15 °C) : 10 Years (5 Years storage + 5 years Standby)

Battery (For AED 2000)

Non-rechargeable: 15V D.C. 2.8Ah
Capacity: 100 Discharges at 200 Joules or 120 Discharges at 150 Joules
Shelf life (25 °C ± 15 °C) : 10 Years (5 years storage + 5 years standby)

Operation Temperature : **0 to 40 °C**

Storage Temperature : **-20 to 55 °C**

Physical Characteristics	AED1 000	AED2 000
Dimension (L x W x H)	300 x 216 x 89 mm	225 x 200 x 85 mm
Weight	2 Kg	2 Kg



Fetal Doppler

Model No. FD 501



General Features

- Display Size - **45mm x 25mm LCD Display**
- Display with color OLED
- Easy and convenient operation
- **High-fidelity, crystal clear sound**
- **Nickel cadmium rechargeable battery, with AC Adapter**
- **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**

Technical Specifications

- Accuracy + -1bpm
- Earphone jack and built in speaker
- FHR range : **50 ~ 240bpm**
- Resolution : **±1bpm**
- Probe frequency : **2 MHZ**
- Size - **135mm X 45mm X 35mm**
- Weight – **about 500g(including Battery)**

Optional : FHR Digital voice function

General Features

- Display - **35.04mm X 28.03mm LCD**
- Display with blue back light
- Easy and convenient operation
- **Earphone and speaker are feasible**
- **High-fidelity, crystal clear sound**
- **Nickel cadmium rechargeable battery, with AC Adapter**
- High sensitivity doppler probe
- Low ultrasound dosage with **2 MHZ Probe**
- Unique ergonomic design
- Applications : **at home, clinic, community and hospital**
- Size - **135mm X 95mm X 35mm**
- Weight - **Approx 500g**

Technical Specifications

- FHR range : **50 ~ 230bpm**
- Resolution : **±1bpm**
- Probe frequency : **2 MHZ**

Model No. FD 601



With blue backlight display



Fetal Monitor

Model No. FM 101



with battery backup

General Features

- Display : 8" colour LCD
- Rotatable Screen to 60°
- In built Rechargeable battery with 2 hours battery backup
- FHR 120 ~ 160 bpm normal range label
- Manual Records Fetal movement
- Sound and colour remind users of high and low fetal heart rate
- Continuous 24 hrs real time monitoring function
- Continuous 12 hrs patient curve and data storage, playback and print
- With picture freeze function
- 9 crystal board band pulsed wave transducer
- Extra long life, high resolution built in thermal recorder
- Built in 2 rechargeable batteries insure that could still working normally for two hours after the power supply breaks off
- Twins monitoring is (optional)
- Built - in communication port can be connected with central monitoring system (optional)

Technical Specifications

Display Content

- Bed Number, pregnancy weeks, Age, Paper speed, Date, time, Volume, Remainder 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 $\pm 10\%$
- Negative peak sound pressure : $p \leq 1 \text{ Mpa}$
- Output beam intensity : $I_{ob} \leq 20 \text{ mW/cm}^2$
- The peak time space peak intensity : $I_{spta} \leq 100 \text{ mW/cm}^2$
- The average time space peak intensity : $I_{sat} \leq 10 \text{ mW/cm}^2$
- FHR Rang : 50 bpm ~ 240 bpm
- Resolution : 1 bpm
- Accuracy : $\pm 2 \text{ bpm}$

TOCO

- TOCO Range : 0 ~ 100%
- Resolution : 1%
- Non linear error : $< \pm 10\%$
- 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 Reminder
Remainder for high and low FHR, which exceeds appointed limit.

Transducers

- (1) Ultrasonic Transducer
System : Pulsed doppler
Dimension : 90 mm X 65 mm
- (2) TOCO Transducer
System : Passive strain gauge
Dimension : 102 mm X 50 mm
- (3) Remote Marker
Length : 96 mm
- (4) Remote Transducers

Print

- Record paper two – double type Z
- Print Width : 112mm
- Valid Print Width : 104 mm
- Paper Output Speed : 1cm/min, 2cm/min and 3cm/min (Optional)
- Data Precision :
 - $\pm 5\%$ (X Roll)
 - $\pm 1\%$ (Y Roll)
- Record Content : Hospital, Bed Number, Name, Pregnancy Week, Patient Number, Paper Speed, Date, Time, FHR data and wave, Contraction data and wave, fetal move times and mark etc.
- Net Interface : RJ 45
- Battery type : 2 rechargeable batteries, 3700mAh / 3.7V

Physical Characteristics

- Size : 320 mm (L) X 260 mm (W) X 80 mm (H)
- Weight : about 3Kg
- Mode : Continuous work

Power Supply

- Working Voltage : AC 100V ~ 240 V
- Frequency : 50Hz / 60Hz
- $P \leq 60 \text{ VA}$
- Fuse : T1.6AL250V

Environment

- Transport and storage
 - » Temperature : $-10^\circ\text{C} \sim 55^\circ\text{C}$
 - » Relative Humidity : $\leq 93\%$
 - » Atmospheric pressure : 700hPa ~ 1060hPa
- Working environment
 - » Temperature : $5^\circ\text{C} \sim 40^\circ\text{C}$
 - » Relative Humidity : $\leq 80\%$
 - » Atmospheric pressure : 700hPa ~ 1060hPa

Fetal Monitor

Model No. FM 201



with wireless TOCO and maternal parameters

General Features

- 12.1" colourful LCD display
- Flexible, Light weight, easy operation
- Flip screen from 0 ~ 90° (degree), for multi angle observation
- Backlight durable buttons
- With large font and Multi interfaces display
- 60 hours CTG storage, reviewing and printing
- Power fail battery back up
- Simultaneously maternal and fetal parameters display
- Sound and colour remind users of high and low fetal heart rate
- Monitoring single fetus, (twins and triplets are optional)
- Fetus wake-up function / Fetal acoustic stimulator (Optional)
- High quality LEMO connector
- Supporting for wireless or wired networking
- Standard Parameters :
 - » FHR
 - » TOCO
 - » FM

Technical Specifications

Power Supply

- AC : 110 ~ 240V, 50/60 Hz

Battery

- Built in rechargeable lithium battery
- 3.5 hours battery backup

Alarm & Data

- Audible and Visual Alarming
- 50 groups alarm events reviewing
- 60 hours CTG storage and replay
- Power failure data storage
- Fischer analysis results automatically

FHR

- Measurement range : 50 to 210 bpm
- Normal Range : 120 to 160 bpm
- Alarm Range :
 - » Up Limitation : 160, 170, 180, 190
 - » Bottom Limitation : 90, 100, 110, 120

TOCO

- Range : 0 ~ 100%

AFM

- Remark time by hand
- The effective interval should be in 5 seconds
Bandwidth 0.1 to 2.5 Hz

Ultrasonic Intensity

- Less than 5 mw/cm²

Frequency

- 1.0 MHz

Built in Thermal Printer

- 150/152 mm, wide paper
- 25mm/s high speed playback and printing function
- Can display & print the active fetal waveforms on real time bases

SpO₂ (Optional)

- Measurement Range : 70% ~ 99%
- Accuracy : ±3%

Pulse Rate

- Measurement Range : 30bpm ~ 240bpm
- Accuracy : ±2bpm

NIBP (Optional)

- Measurement Range : 15 ~ 240mmHg (2 ~ 3.2kPa)
- Accuracy : ±8mmHg (±1.1 kPa)

Probe

- 12 crystals in probe
- Wide-beam, multi crystal water proof FHR probe, High Sensitivity, Stable signal detection
- Flat surface waterproof TOCO probe
- Beam / sound intensity < 5mw/cm²

Work Environment

- Operating Temperature : 5° ~ 40°
- Storage temperature : -10° ~ 55°
- Operating Humidity less than 85%

Optional :

- ECG, RESP & Temperature, NIBP, SPO₂
- Central Monitoring Station

Fetal Monitor

Model No. FM 301



General Features

- Display: **Foldable 10.4" colour LED**
- 12-crystal pulse Doppler transducer (Waterproof probes are optional)
- Large capacity storage space, **8640 hours for fetal trace storage**
- Medical and para-medical can input or, search by patient ID, name and Mobile number
- **FHR Signal quality indicator helps optimize the probe position**
- Event movement makes it easy to annotate perceived fetal movements (FM)
- Fetal movement profile detects and automatically records gross fetal body movements
- Heart rate offset mode allowing you to offset **FHR 2: -30bpm ~ +30bpm**
- **Cross channel verification** provides visual/audible indication when detects synchronous fetal or maternal heart rate or Pulse rate signals, indicating that you may be monitoring duplicate signals
- Fetal heart rate alarm provides both audible and visual alerts if heart rate is outside of the user defined high/low range
- Improved Fischer Non-Stress Test (NST) report software allows interpretation of fetal heart rate and TOCO traces, and generates a report automatically
- **USB Port** : USB Keyboard or mouse connection and software upgrading
- **Network RJ - 45** : Supporting network connection with wired / wireless connection to central monitoring station (optional)

Technical Specifications

- Accuracy : **± 1bpm**
- Power Supply : **AC Power** : 100V to 240V, 50/60Hz
DC Power : 9V, 5A
- Battery : **Rechargeable Li-Ion battery / 7.4V 2200mAh**
- Charging cycle : more than **500 times**
- Battery Backup : more than **2 hours**
- **Alarm** :
 - » Levels : **High, Medium, Low**
 - » Indication : **Auditory, Visual, Delay of FHR Alarm**

Ultrasound (FHR)

- **Measurement Method**
 - » Wide beam pulse Doppler
- **Transducer type**
 - » 12-crystal Ultrasound transducer
- FHR Measurement range : **30 ~ 240bpm**
- Accuracy : **±2 bpm**
- Intensity : **<3mW/cm²**
- Frequency : **1 MHZ ±3%**
- Resolution : **1 bpm**

TOCO

- Measurement Method
 - » Strain gauge sensor element
- Measurement Range : **0 ~ 100%**
- Nonlinear deviation **< ±8%**
- Baseline Setting : **0, 5, 10, 15, 20** can be selective
- Resolution : **1%**
- Auto offset correction : **3 seconds after connecting the transducer**
- Auto zero adjust : **TOCO Value is set to zero negative following a negative Measure value for 5 seconds**

Fetal Movement Recording

- » Technique : **Pulsed Doppler Ultrasound**
- » Automatic fetal movement autograph
- » Manual Fetal movement marker

NIBP (Optional)

- Method : **Oscillometric**
- Operation Mode : **Manual / Automatic / STAT**
- Measurement Unit : **mmHg / kPa selectable**
- Measurement interval in auto mode : **1 ~ 480 minutes**
- Resolution : **1mmHg**
- **Accuracy**
 - » Max. Standard deviation : **8mmHg**
 - » Max. Mean Error : **±5mmHg**
- **Measurement Range**
 - » Systolic : **40 to 270 mmHg**
 - » Diastolic : **10 to 210 mmHg**
 - » Mean : **20 to 255 mmHg**
- Over pressure protection via Software and Hardware dual protection

Maternal SpO₂ / Pulse Rate (Optional)

- Measurement Range : **0 ~ 100%**
- Resolution : **1%**
- Accuracy
 - » **±2% (70% ~ 100%)**
 - » **±3% (motion or low perfusion)**
 - » **Unspecified less than 70%**
- PR measurement range : **30 ~ 250bpm**
- Accuracy : **±2 or ±2% whichever is greater**
- Resolution : **1bpm**

Printer

- Method : Thermal Printer
- Paper : **112mm / Z-fold, thermo sensitive paper**
- Print Speed : **1, 2, or 3 cm/min**
- Record way : **Real time recording and review printing**

Environment

- **Transport and storage**
 - » Temperature : **-20°C ~ 50°C**
 - » Relative Humidity : **≤ 93%**
 - » Atmospheric pressure : **60kPa ~ 110kPa**
- **Working environment**
 - » Temperature : **5°C ~ 40°C**
 - » Relative Humidity : **≤ 93%**
 - » Atmospheric pressure : **80kPa ~ 110kPa**

Dimensions & Weight

- Machine Dimensions : **36cm (W) * 26cm (D) * 8cm (H)**
- Machine Dimensions : **2.8Kg**

Optional / Upgradable

- **Twins Monitoring**
- **Fetal Stimulator**
- **Maternal Parameter (SpO₂, NIBP)**
- **Touch Screen**
- **HDMI Output**
- **Central Monitoring Station**
- **Waterproof FHR Probe & TOCO probe**
- **Keyboard & Mouse control function**
- **Advanced Fischer NST Report**
- **USB Keyboard or mouse connection and software upgrading**
- **Network RJ -45 Supporting network connection with wired/Wireless Connection to central monitoring station**

Model No. US 100



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

Technical Specifications

- Probes : 80 Elements Convex Probe, Linear Probe, Trans-Vaginal Probe, Micro-Convex
- Probe Depth : **16 levels**
- Probe Frequency : **5 levels**
- Display mode : **B, B+B, 4B, B+M, M**
- Probe interface : 1 (Optional Docking Station to support 2 Probes simultaneously)
- Display mode: **B, B+B, B+M, M, 4B**
- Main gain : **0-100%**
- 8 TGC : adjustable
- Focus : 4
- Image storage : **4920 images**
- Pseudo color : **0-7**
- Scanning area(angle) : **3 levels**
- Edge enhancement : **0-3**
- Linear correlation : **0-5**
- Gamma correction : **0-7**
- Frame correlation : **0-3**
- Dynamic range : **0-135**
- Cine loop : **512 frames**
- Body mark : **97 kinds**

General Features

- Fully Digital Beam Imaging Technology
- Thin and Lightweight Notebook Design
- 12.1 inch HD LCD display
- User-friendly, convenient and flexible with back-light silica gel keyboard & track ball operation
- Rechargeable Lithium battery with 4-8 hours backup
- Intelligent 8-segment TGC adjustment
- Wide applications : **General application, Gynaec & OB, Andrology, Cardiology**
- THI and Histogram function**
- Support OB Report**

- USB Drive support : **FAT32 format**
- Image reversal : **up/down, left/right, black/white**
- Measurement : **General measurement, GYN & OB measurement package, Andrology measurement, Cardiac measurement**
- OB-1 : GS, BPD, CRL, FL, HL, TAD, LV, OFD, AC, HC, AFI
- OB-2 : FTA, TTD, APTD, THD, TCD, CI, EFW, Input LMP, Growth Curve

Probe frequency:

Convex probe

- Frequency: 2.0MHz, 2.5MHz, 3.5MHz, 4.0MHz, 5MHz
- Depth : 16 Level [126, 142, 158, 173, 189, 197, 205, 213, 221, 229, 237, 245, 253, 261, 269, 307mm]

Optional :

Linear probe

- Frequency : **5.5MHz, 6.5MHz, 7.0MHz, 7.5MHz, 9.0MHz**
- Depth : **16 Level [35, 42, 49, 62, 69, 76, 83, 90, 97, 104mm]**
- Trans - vaginal probe
- Frequency : **5.0MHz, 5.5MHz, 6.5MHz, 7.5MHz, 8.5MHz**
- Depth : **16 level [62, 69, 76, 83, 90, 97, 104, 111, 125, 139mm]**

Micro-convex probe

- Frequency : **4.0MHz, 4.5MHz, 5.0MHz, 6.5MHz, 7.0MHz**

Docking Station



Model No. US 200



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

Technical Specifications

- 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, gray scale, probe type and frequency, probe position, display mode, scan direction, multiple - ratio, focus, puncture, guidelines, image processing and notes

General Features

- Full digital beam forming technology
- All Focus technology : **Transmit and Receive both direction point-point focusing**
- Ultra low transmit power one eighth 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**



Model No. US 300



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 System**.
- 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 Specifications

- Power range : **AC 220V ± 10% 3A**
- Host Power : **DC 12.8V 11.5A**
- Input power : **≤ 300VA**
- Continuous working time : **≤ 8h**
- **Imaging Modes** : B, 2B, AB, 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
- Lateral resolution : **≤ 1mm (depth ≤ 80mm) ≤ 2mm (80 ≤ depth ≤ 130mm)**
- Vertical resolution : **≤ 1mm (depth ≤ 80mm) ≤ 2mm (80 ≤ depth ≤ 130mm)**
- Blind zone : **≤ 5mm**
- Precision geometric position : **horizontal ≤ 10% longitudinal ≤ 10%**
- Signal channels : **64 channels**
- PAL output interface

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 wideband	Multi-frequency

Optional Accessories / Upgradable with below probes

- Trans vaginal probe
- Trans-rectal probe
- High frequency linear probe
- Phased array probe



General Features

- Based on Windows 7 platform, equipped with SSD(Solid State Disk), make the storage safer and more reliable, easy for switch machine.
- Magnification : **2-10 times magnification**
- Automatic freeze function : **effective protection of probe life without any operation**
- Alternative image storage method : **UI storage and image storage only**
- Cine loop speed, visible and adjustable
- Measurement: distance, circumference, area, volume, heart rate, tube diameter, narrow rate, angle, speed, abdomen, cardiac, general, musculoskeletal, early obstetric, middle and late obstetric, pelvic(uterus accessory), small organ, urology, peripheral, gestational week and EDD, fetal weight, etc, formula can be converted to edit in obstetric measurement. The distance, circumference and volume measurement of 3D mode.
- Note : date, clock, name, gender, age, doctor, hospital, note

Supported Probes:

- Convex probe frequency range : **2.0, 3.0, 3.5, 4.0, 5.5MHz**
- Trans-vaginal probe frequency range : **5.0, 6.0, 6.5, 7.5, 9.0MHz (Optional)**
- Phased array probe (adult) frequency range : **2.0, 3.0, 3.5, 4.0, 5.0 MHz (Optional)**
- Phased array probe (pediatric) frequency range: 4.0, 5.5, 6.5, 7.5, 10.0MHz(Optional)
- Linear probe frequency range : **6.0, 6.5, 7.5, 10.0, 12.0MHz(Optional)**
- Micro-convex probe R20 frequency range : **5.0, 6.0, 6.5, 7.5, 9.0MHz(Optional)**
- Micro-convex probe R11 frequency range : **2.0, 3.0, 3.5, 4.0, 5.5, 6.5, 7.5, 10.0MHz(Optional)**
- 4D volume probe frequency : **2.0, 3.0, 3.5, 4.0, 5.5, 6.5MHz (Optional)**

Technical Specifications

- Monitor: 19" LED medical grade monitor+10 inch touchscreen (Optional)
- Scanning mode : convex array / linear array / micro-convex array
- Probe interface : 4, active
- Support : convex, linear, trans-vaginal, micro-convex, phased array, 4D volume, rectal probes etc.
- Display mode : B mode (B, B+B, 4B, B+M, M), C mode, PW mode, CW mode, real time 3D mode (4D) , B/C, B/C/PW, B/PW: 4 scanning speed adjustable
- Electronic focus : 4
- Body mark : ≥57
- Image processing : up/down, left/right, angle, blood flow reversal
- Cine loop ≥1200 frames, can be viewed continuously or by frame (preset 1280 frames)
- Storage : in the storage display interface can be sent to directly to the mobile device, image storage path (can be stored directly to the U disk and other external storage devices), probe parameter storage, cine loop storage, measurement results storage, report storage.
- Gray Scale : 256
- With puncture guide function, puncture line position can be adjusted
- With gravel positioning, dynamic target tracking function.
- Dynamic range : 0-270dB
- Intelligent TGC : 8 segments
- Pre-processing : variable aperture, dynamic apodization, dynamic digital filtering, multi-beam parallel processing technology, THI etc.

- Dynamic range 0-270dB,
- black and white afterglow 0-7
- Smoothing 0-7
- Gray curve 1-16
- Frame correlation
- SHG (Second Harmonic Generation)
- Sound power
- Wall filter
- Cumulative number, baseline adjustment, sampling frame adjustment, spectrum sampling volume, spectral sampling volume angle, PRF, etc.
- Blind zone : ≤4
- Max scanning depth: 320mm
- Geometric accuracy : horizontal ≤5%, vertical ≤5%
- Resolution : lateral ≤2mm, axial ≤1mm
- External interface : VIDEO, USB port *4, DICOM 3.0
- Magnification: 16 kinds; disease diagnosis more accurate
- Frame rate: 5-1016fps (adjustable as per requirement)
- Scanning range: 5%--100%
- Gain control : Total gain 0~127dB, PW gain 0-15, CFM gain : 0-15
- Image optimization : 6 level adjustable
- Smoothing : 8 level adjustable
- Edge enhancement : 8 level adjustable
- PRF : 16 level adjustable (1.82-29.43KHz)
- Gray level curve : 16 level adjustable
- Sound power : 15 level adjustable

Oxycure Dura

General Features

- Light weight and Portable Design
- Low noise
- Adjustable flow rate



Technical Specifications

- Operating Mode : **Continuous Flow**
- Functions : **Timer, Running Time Counter**
- Power Supply : **220-240V AC 50 Hz**
- Power Consumption : **285W**
- Oxygen Purity : **93 ~ 95%**
- Flow Rate: Adjustable from 0 to 5 LPM
- **Sound Level : < 48 dBA (nominal)**
- Alarm :
 - » **Power Failure**
 - » **High/Low Pressure**
 - » **Air Blockage**
 - » **Low Oxygen Purity (Optional)**
- Machine Size : **30.5 x 30 x 53.5 cm**
- Machine Net weight : **16 Kg**

Optional :

Nebulizer
Low Purity Indicator

Oxycure 240/340/1040



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
- Dimension : **365(L)X 375(W)X 600(H)mm**
- Weight : **25 kg**

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



Oxycure Port



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

General Features

- **Accurate Pulse oxygen supply**
- Large LCD for displaying accumulating time
- Flow Rate : **0~5 L/Min**
- **Compact and portable (Designed for the patient who needs oxygen during travel)**
- AC / DC Operated
- 2 x Rechargeable battery
- **Battery Backup Up to 2 hrs for each battery**
- Adjustable flow rate
- **Certified Lithium battery for Airline Travelling, (MSDS report)**
- Ideal for the COPD patient who needs oxygen during travel
- With carry bag

Technical Specifications

- 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 or 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, \leq Altitude : 3500 meters**
- **Oxygen flow 4~5L/min, \leq Altitude : 1000 meters**
- Application : it is suitable for people who enjoy travel
- Batteries used in this machine are approved by FAA



CPAP

Model No. Auto CPAP



with Humidifier

General Features

- Display : **3.5" Color LCD**
- Eco smart warm up, high efficiency and lower water bills
- **High Performance**
- **High Reliability**
- **Humidifier**
- **Real time data**
- **SD Card available for Data storage for 4 GB Data Card**
- Innovative with Dual Water chambers
- **Masks : Nasal Masks**

Technical Specifications

Sr. No.	Technical Features	Model No.	Nasal Mask for CPAP
1	Cover Color	Black	
2	LCD Screen	3.5 inches	
3	Modes	CPAP and AUTO	
4	Pressure Range	4 ~ 20cm H ₂ O	
5	Pressure Increment	0.5cm H ₂ O	
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	Nasal Pillow Mask (Optional)
11	Auto On/Off	Off (Default)	
12	Data Storage	SD Card (4 GB)	
13	Dimensions (L x W x H)	170 x 180 x 118 mm or 290 x 180 x 134 mm (with Humidifier)	
14	Weight	1.5 kg or 2.5/kg with Humidifier	
15	Power Supply	100 ~ 240V, 50~60Hz Power Consumption: < 60VA	
16	Length of Tube	6ft (1.83m)	

Optional Accessories

- Nasal Pillow Mask (More comfortable for patient in compare to Nasal mask)
- Full Face Mask (covers Nose and Mouth both)
- SpO₂ kit (Pulse oximeter – SpO₂ measurement of the patient with CPAP facility)



BiPAP

Model No. BiPAP (25 S/T)



with Humidifier

General Features

- Non Invasive Ventilation
- Display : **3.5" Color LCD**
- **High Efficiency humidification**
- **Higher motor performance**
- **Remote data retrieve**
- Quieter therapy output
- **Humidifier**
- Real Time Pressure and Flow Wave display
- **SD Card available for Data storage for 8 GB Data Card**
- **Provided with Humidifier along with machine which moisturizes the air that gives patient comfort during the whole night**
- **Masks : Full Face Mask (covers mouth and nose)**
- Dimension : **290(L) X 180(W) X 134(H)mm**
- Weight : **1.5 Kg**

Technical Specifications

Sr. No.	Technical Features	Model No.	Full Face Mask for Bi-PAP
1	Mode	CPAP, S, T, S/T	
2	Pressure	4 ~ 20cm H ₂ O	
3	LCD Screen	2.4 inches	
4	Weight	1.5Kg or 2.5 Kg with Humidifier	
5	Dimensions (L x W x H)	150 x 180 x 117 mm or 290 x 196 x 134 mm (with Humidifier)	
6	Oximeter	Optional	
7	Data Storage	SD Card (8 GB)	
8	Reslex	Off 1 / 2 / 3	
9	Ramp P	4 cm H ₂ O-6 Cm H ₂ O	
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	
15	Tidal Volume	150 ~ 1500ml	

Optional Accessories

- Nasal Pillow Mask (More comfortable for patient in compare to Nasal mask)
- Nasal Mask (Only covers Nose)
- SpO₂ kit (Pulse oximeter – SpO₂ measurement of the patient with CPAP facility)
- 30 S/T mode



Spirometer

Model No. SPM 100 / 200



SPM 100



SPM 200

General Features

- **Rechargeable lithium battery with battery power display**
- **Automatic Power off when there is no operation in one minute**
- Parameters Measurement: Forced Vital Capacity (FVC), Forced Expired Volume in one second (FEV1), the ratio of FEV1 and FVC (FEV1/FVC), Peak expiratory flow (PEF), 25% flow of the FVC (FEF25), 50% flow of the FVC (FEF50), 75% flow of the FVC (FEF75) and average flow between 25% and 75% of the FVC (FEF2575)
- 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
- Ratio of FEV1 and FVC can be measured
- **Software interface and Trend chart display**
- Battery backup : **4 hours**

Technical Specifications

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

Optional : Wireless Interface through Bluetooth



Digital Blood Pressure Monitor

Model No. DG 4111



USB
port

with USB Port



General Features

- Easy to read, Large display
- WHO Classification Indicator
- Display blood pressure (Systolic & Diastolic) & Pulse Rate
- With Irregular Heartbeat & Hypertension Indicator
- 2 x 99 set memories with Date & Time
- Can work with any Mobile USB (Micro B) Charger
- 4 x AA (1.5V) size standard batteries
- Dimension : **132 X 112 X 70 mm**
- Weight : **249 g**

Technical Specifications (Common for both Model)

- BP : **0 ~ 299 mmHg (±3 mmHg)**
- Pulse : **40 ~ 199 pulse/min (±5%)**

General Features

- Large LCD of **4"** with Tri colour backlight Display
- **Blood pressure level classification indicator [WHO]**
- **Alkaline batteries & AC Adapter**
- 2x 120 times memory
- **Tri Colour backlight display** with BP level classification value (Mild Green colour display for Normal BP Range, Moderate - Yellow colour for Hypotension and Red Colour for Hypertension)
- Date and Time display
- Average of last 3 measuring results
- Cuff circumferences : 22~32cm
- Dimension : **125 X 91 X 56 mm**
- Weight : **311 g**



Severe high Blood-
Pressure values
Back light Display

Moderate Blood Pressure
values Back light Display

Normal Blood Pressure
values Back light Display



ABPM

Model No. ABPM 100/200

Appearance will be remain same for both the model



General Features

- Recording up to 4800 Measurement
- Compact and portable, easy to use
- **Display**: Large colour LCD display for NIBP, SpO₂ and Pulse Rate
- AA size battery
- Battery backup **24 hrs**
- **Ambulatory monitoring; 24 hours storage and review data**
- **All data can be transferred to a PC**
- USB interfacing
- Audio and Visual Alarm adjustable for high and low NIBP and Pulse Rate
- Suitable for adult, paediatric and neonates
- Windows based software for review, analysis and ready to print
- Dimension : **128 X 69 X 36 mm**
- Weight : **350 g**

Extra Features of ABPM 200

- SpO₂ can measure through its Probe

Ambulatory Blood Pressure Monitoring device can be used when patient's blood pressure is need to be measured for continuous 24 hours when patient is in mobility state i.e., living the normal daily life with the device attached on his body. It uses a compact digital blood pressure device that can be attached through a belt around the body along with cuff at your upper arm and SpO₂ on the finger. Basically doctor prefers ABPM for more analysis of the blood pressure up to 24 hours. According to the data recorded, doctor can diagnose the disease.

Technical Specifications

NIBP

- **Method** : Oscillometric
- Mode : Manual / Automatic / Continuous
- Measurement Range : 10~270 mmHg (Max : 280 mmHg)
- **Automatic Measurement Interval** : 5, 10, 15, 30, 45, 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 : **30~250bpm**
- Resolution : **1bpm**
- Accuracy : **±2bpm or ±2%** (Select Larger)
- Alarm Range : **0~254bpm**

General

- Power : **2 "AA"**, 1.5V Alkali Battery
- Dimension : 128 x 69 x 36mm
- Weight : ≤ 350gm [Including batteries]

Parameter / Model	ABPM 100	ABPM 200
NIBP	Yes	Yes
Pulse Rate	Yes	Yes
SpO ₂	No	Yes



Nebulizer

Model No. NEC 240



Technical Specifications

- Electrical Requirements : 230V AC / 50 Hz or 110 V 60 Hz
- Litre Flow Range : **6~8 L/Min**
- Particle Size Less Than : **0.5 to 10 Microns**
- Sound Pressure Level : **58 dB (A)**
- Average Nebulization rate : **Min 0.2ml/min**
- Standard Accessories - **Nebulizer, Airtube, Mask (Adult Ped.), Filter**
- Maximum Compressor Pressure : **35 Psi to 50 Psi [241 kpa to 345 kpa]**
- Continuously work up to 30 min
- Dimension : **170 X 195 X 102 mm**
- Weight : **1.4 Kg**

Model No. Intel - Mesh 40

Mesh Nebulizer

General Features

- Vibrating Mesh Technology, equipped with Stainless steel Mesh
- Super Silent Design with noise level < 40 dB
- Small, lightweight and handy model
- Adjustable Nebulization Rate with three-level settings (High/Medium/Low)
- I.A.D. (Intelligent Aerosol Delivery) Technology improves the medicine utilization rate by reducing the mist during exhalation
- Low Residual liquid with inclined bottom surface
- With Adult & Pediatric Mask, Mouthpiece, Power Cable & Carry bag

Technical Specifications

- Nebulization Rate: >0.2 ml/min
- Noise level: < 40dB
- MMAD: 2.7 µm (80% particles are < 5 µm)
- Particle Size: 2.19 µm +/- 25%
- Medication Cup Volume: 8 ml
- Power Supply: 2 x AA Alkaline batteries
- **Power Consumption: < 1.5 W**
- **Weight: 85g +/- 5g**
- **Dimensions: 42.7 x 71.5 x 108.4 mm (L x W x H)**



Ultrasonic Nebulizer

Model No. NEC 440



Technical Specifications

- **Ultrasonic Frequency : 1.7 MHz \pm 10%**
- Power Supply : AC 220V \pm 10%, 50 Hz
- Input Power: 50VA
- Max Mobilizing rate : \geq 3mL/min
- Timing Range : **0~60 min**
- Volume of sink : **300ml**
- Max volume of **big atomizing cup** : **300mL**
- Max volume of **little atomizing cup** : **150mL**
- **Noise \leq 50dB(A)**
- Continuous working time : \geq **4 hours**
- **Water reservoir inside of the machine which gives protection against heating during continues work**
- **Ideal for Hospital continues use, Sturdy Model**
- **Micro Nano particle size delivered by Ultrasonic speed through machine which gives maximum relief in congestion to the patient in shortest time**
- Weight : **1.8 Kg**
- Dimensions : **247 x 140 x 201 mm**
- **Percent of MMD \leq 5 μ m; \geq 65% for temperature 20°C**
- Temp : **5. C~ 40. C Humidity \leftarrow 80%**
- Fuse Tube : 1. F0.5AL250V, 5 x 20
2. F1.5AL250V, 5 x 20

Portable Suction Machine

Model No. 7E-D



7E-D
(AC/DC Power recharge Battery)

General Features

- **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

- **Max Vacuum : \geq 0.075 MPa (562 mmHg)**
- Adjustable Vacuum range :
0.02 MPa (150 mmHg) ~ Max Vacuum
- Sound Level : \leq **65 dB (A)**
- Suction Bottle : **01 - Polycarbonate Bottle of 1000 ml each • Net Weight (Kg) : 6.5**
- Power Supply : **AC:220V and 50 Hz**
External DC:12V, Internal Battery: \geq 0.5 hrs when fully charged
- input Power (VA) : **44**
- Max Airflow (LPM) : **17**
- Battery Backup : **Approx. 30 Mins**

Portable Suction Machine

Model No. PSM - 101



General Features (Common for Both Model)

- Suitable for Adult & Pediatric Applications
- Oil-Free Piston based vacuum pump
- With High flow-High Vacuum and Stylish Design
- Adjustable Pressure Regulator to Select Safe Pressure
- With over flow protection valve
- Smaller-size, light weight and easy to carry
- Lower Noise

Technical Specifications

- Max Vacuum : ≥ 525 mmHg (70 kPa)
- Adjustable Vacuum range : (150 mmHg) ~ Max (20 kPa) ~ Max Vacuum
- Flow Rate : 16 L/min
- Noise Level : ≤ 60 dB(A)
- Suction Jar : 1 no. Polycarbonate bottle of 1000 ml
- Power Supply : 220-230V AC, 50 Hz
- Input Power : 160 VA
- Dimension : 29.3x19.2x24.5 cm (LxWxH)
- Net Wight : 3.0 Kg

Model No. 7A-23D



Double Bottle ~ 26L/min

General Features (Common for Both Model)

- AC Power supply : 220V ± 22 V, 50Hz ± 1 Hz
- Used for adult
- Oil free - diaphragm and piston based suction unit
- Maintenance free, Overflow device prevents liquid entering pump
- Ideal for any nursing home and Hospital
- 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 depends upon the requirement through the Knob
- Dimension : 360 X 320 X 480 mm
- Weight : 15.5 kg

Double Bottle Suction Machine

Model No. 7A-23B



Double Bottle ~ 40L/min

Technical Specifications (Common for Both Model)

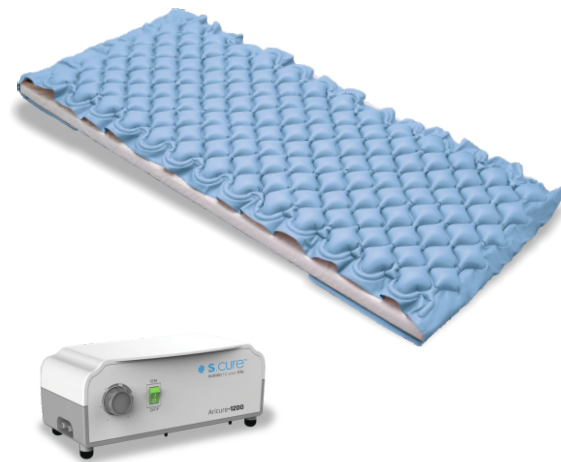
- Max Negative pressure : ≥ 90 kPa (675 mmHg)
- Adjustable Vacuum range : 20 kPa (150 mmHg) ~ Max Vacuum
- HP : 0.25 horse power
- Sound Level : ≤ 65 dB (A)
- Suction Bottle : 02 - Glass Bottle of 2500 ml each
- Input Power : 180VA
- High Vacuum and High Flow

Technical Specifications

Model No.	7A-23D	7A-23B
Max Airflow (LPM)	26l/min	40l/min



Aircure 1200



Aircure 1300



for the prevention of bed sores

General Features (Common for both Model)

- **Therapy for stage I pressure Ulcer**
- **Alternating pressure relief bubble pad system with pump (A unique bed sores therapy system)**
- 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**
- Better Compressor and easy to operate
- Better than any linear pad & Waterbed
- Dimension : **2000X900X70 mm**

Technical Specifications (For Aircure 1200)

Pump

- Electrical : 220-240 Volts
- Pressure Range : 50 ~ 110 mmHg
- Airflow output: 5~7 lit/min
- Cycle time : 12 min
- Better Compressor

Bubble pad Mattress

- Colour : Beige/Blue Colour
- Dimension : 200*90cm
- PVC Thickness : 0.3 mm
- Material : PVC
- Max. Weight bearing capacity : 130 Kg

Technical Specifications (For Aircure 1300)

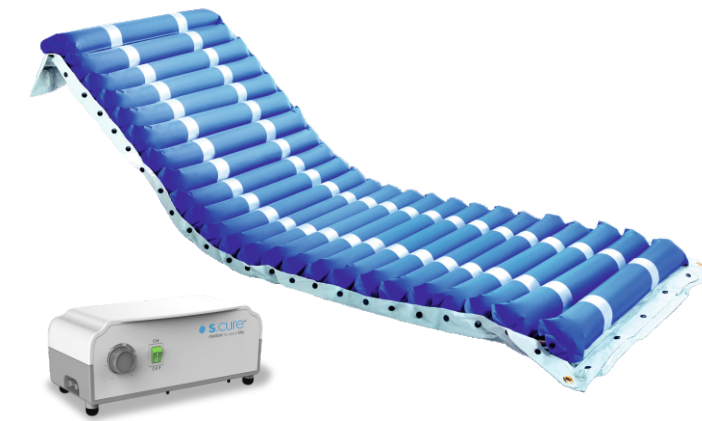
Pump

- Electrical : 220-240 Volts
- Pressure Range : 70 ~ 130 mmHg
- Airflow output: 6~7 lit/min
- Cycle time : 12 min
- Weight:0.75Kg
- Better Compressor

Bubble pad Mattress

- Colour : Beige/Blue Colour
- Dimension : 216*80*7cm
- Material : PVC
- Max. Weight bearing capacity : 100 Kg

Aircure 3000



General Features

- **Therapy for stage I to III pressure Ulcer**
- **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 from humidity
- **Vapor permeable;** Water resistance cover provides a low friction surface
- Better Compressor
- Low maintenance in compare to bubble type mattress, Ideal for Long term bed ridden patient in order to get more comfort

Technical Specifications

Pump

- Airflow Output: 5-7 L/min
- Electrical:240V/50Hz
- Pressure Range: 50 ~ 120 mmHg
- Cycle time: 12 min
- Size:23.5(L)*12(W)*9.5(H) cm
- Weight:1.6kg

Strip Mattress

- Arrangement : 24 bladders + 1 extra
- Mattress Dimensions:190(L)*80(W)*8.5(H) cm
- Weight:3.5-4kg
- Material:
 - o Cover : Nylon/PU with button
 - o Cells : Nylon/PVC
 - o Bottom:Tarpaulin

Aircure 5000



General Features

- **Therapy for stage I to III pressure Ulcer**
- **Adjustable comfort range with pressure adjustable control knob**
- **Interchangeable bladders in mattress for easy cleaning and maintenance**
- **CPR facility for any emergency (Cardiopulmonary resuscitation)**
- **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 form humidity
- Vapor permeable, water resistance cover provides low friction surface

Technical Specifications

Pump

- Air Output : **8 L/min**
- Pressure Range : **20~55 mmHg**
- Cycle time : **12 min**
- **Mode : Alternate / Static**
- Weight : **2.2 Kg**
- Size - **28 X 20 X 10cm**

Mattress

- Top cover : **PU (Poly Urethane)**, Bi-elastic coatings and quilted cover with zipper
- Base : Nylon/PVC
- 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 12.5cm**
- Max Weight bearing Capacity : **160 kg**

Optional

CPR valve and low air loss.

Aircure 6000



General Features

- **Weight mode** : This feature helps the patient to insert their weight; pressure is automatically adjusted & maintained
- **Static mode** : This feature 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 provide good ventilation and keep patients dry form humidity
- **Vapour permeable** : Water resistance cover provides a low friction surface
- Interchangeable bladders in mattress for easy cleaning and maintenance
- Cycle time can be changed
- **CPR facility for any emergency (Cardiopulmonary resuscitation)**

Technical Specifications

Pump

- Air Output : **8 L/min**
- Pressure Range : **20~55 mmHg**
- Cycle Time : **10 / 15 / 20 / 25 min** (adjustable)
- Alarm : **Low pressure / power failure / Alternate failure Indicator**
- Mode : **Alternate / Static / Weight**
- Dimension : **2030 X 900 X 200 cm**
- Weight : **2.5 Kg**

Mattress

- Therapy for Stage I to Stage III pressure
- Air Cell Material : **PU (Polyurethane)**
- 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 90 X 20 cm**
- Max Weight bearing Capacity : **180 Kg**
- **Maintenance free PU air cell**

Digital Thermometer
& Weighing Scale

Model No. DT 501



Non contact infrared thermometer
with tri-color display

DT 501 (Non contact Infrared Thermometer)

- 100% safe (non-mercury)
- User friendly and efficient as gives fast result in 1 seconds
- It can measure Object / Human temperature
- **Memory for 12 Measure**
- Alarm, if temperature exceeds
- Measures actual temperature in °F & °C
- **Auto off in 60 seconds**
- 3 color Backlight LCD display
- **Non – Contagious**
- **No direct body contact required (Non – Contagious)**
- **Backlight LCD with Tri colour display according to Temperature value (Mild Green colour display, Moderate – Yellow colour and High Fever- Red colour)**

Model No. SWS 101

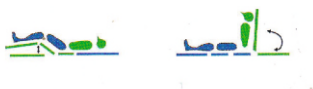
SWS 101 (Digital Weighing Scale)

- Elegant & durable Design with toughened Glass panel
- 3-digit LED Display with Decimal point
- Auto-off
- With low battery & over weight indicator
- Resolution: 0.1 Kg (upto 99.9 kg) & 1 kg (→ 100 Kg)
- Accuracy: ±2%
- Unit selection: Kg & Lb
- Weight Capacity: upto 150 kg
- Battery: 3V DC Button-type Cell



Model No. HB 200 (Manual)

(Manual – Two Functions with collapsible rail)



General Features

- ABS head & foot boards are removable
- Aluminium alloy side rail, collapsible type with safe lock
- Bed sheet top made from perforated steel, epoxy powder coated and baked finish
- Bed framework made from mild steel ERW rectangular tubes

Technical Specifications

- Dimension : 2080 x 970 x 480 ~ 750 mm (L x W x H)
- **Main function**
 - » Back section up/down : 75°±5°
 - » Knee section up/down : 40°±5°

Optional :

- IV Rod
- Lifting Pole
- Dining Table
- Debris Basket

Model No. HB 200

(Electric – Two Functions with collapsible rail)

General Features

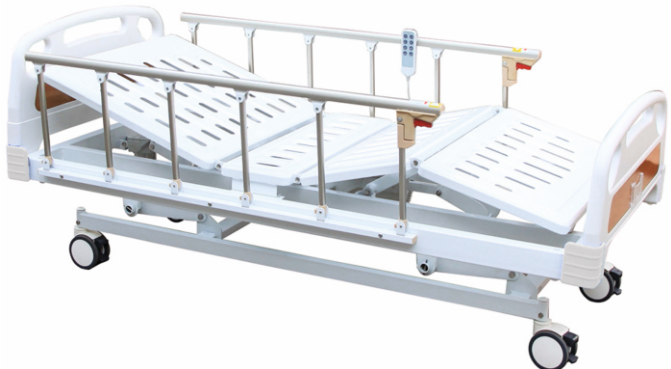
- ABS head & foot boards are removable
- Aluminium alloy side rail, 6-shafts, collapsible type with safe lock
- Bed sheet top made from perforated steel, epoxy powder coated and baked finish
- Bed framework made from mild steel ERW rectangular tubes
- **5" (dia. 125mm) covered casters with brake**

Technical Specifications

- AC Power : 220V to 240V, 50/60Hz
- Dimension : 2080 x 970 x 480 ~ 750 mm (L x W x H)
- **Main function**
 - » Back section up/down : 75°±5°
 - » Knee section up/down : 40°±5°

Optional :

- IV Rod
- Lifting Pole
- Dining Table



Model No. HB 300 (Manual)

[Manual – Three Functions with collapsible rail]



General Features

- ABS head & foot boards are removable
- Aluminium alloy side rail, 6-shafts, collapsible type with safe lock
- Bed sheet top made from perforated steel, epoxy powder coated and baked finish
- Bed framework made from mild steel ERW rectangular tubes
- 5" (dia. 125mm) covered casters with brake

Technical Specifications

- Dimension : 2080 x 970 x 480 ~ 750 mm (L x W x H)
- Main function
 - » Back section up/down : 75°±5°
 - » Knee section up/down : 40°±5°
 - » Height adjustment : 270mm

Optional :

- IV Rod
- Lifting Pole
- Dining Table

Model No. HB 300

[Electric – Three Functions with collapsible rail]

General Features

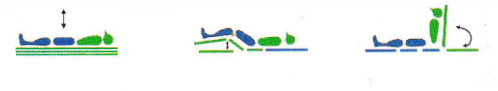
- ABS head & foot boards are removable
- Aluminium alloy side rail, 6-shafts, collapsible type with safe lock
- Bed sheet top made from perforated steel, epoxy powder coated and baked finish
- Bed framework made from mild steel ERW rectangular tubes
- 5" (dia. 125mm) covered casters with brake

Technical Specifications

- AC Power : 220V to 240V, 50/60Hz
- Dimension : 2080 x 970 x 480 ~ 750 mm (L x W x H)
- Main function
 - » Back section up/down : 75°±5°
 - » Knee section up/down : 40°±5°

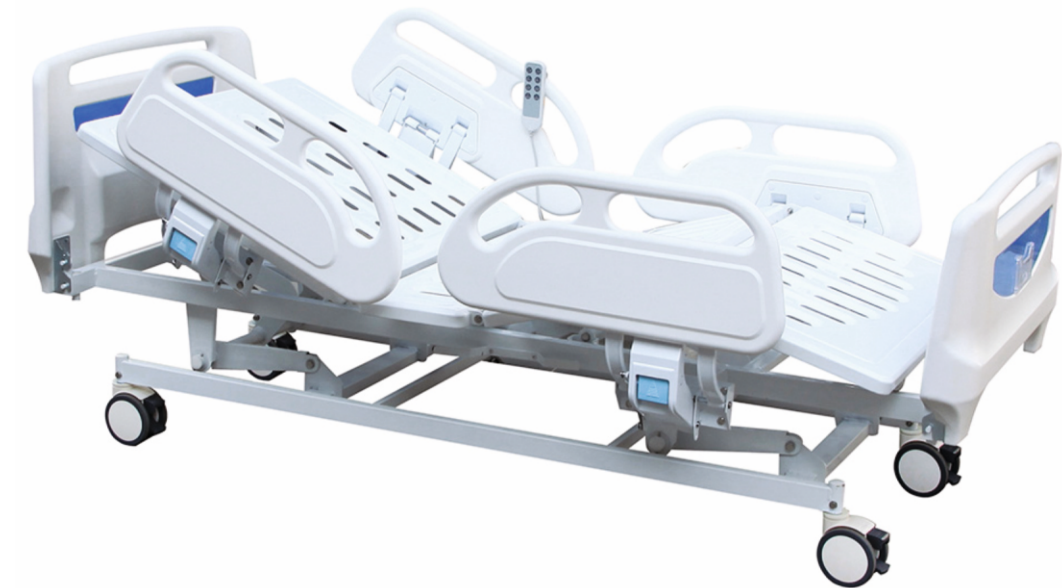
Optional :

- IV Rod
- Lifting Pole
- Dining Table



Model No. HB 300 (ABS)

[Electric – Three Functions with ABS]



General Features

- ABS head & foot boards are removable
- ABS side panels, collapsible type with safe lock
- Bed sheet top made from perforated steel, epoxy powder coated and baked finish
- Bed framework made from mild steel ERW rectangular tubes
- 5" (dia. 125mm) covered casters with brake

Technical Specifications

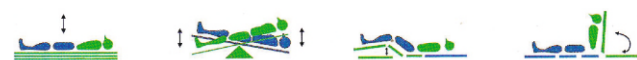
- AC Power : 220V to 240V, 50/60Hz
- Dimension : 2080 x 970 x 480 ~ 750 mm (L x W x H)
- Main function
 - » Back section up/down : 75°±5°
 - » Knee section up/down : 40°±5°
 - » Height adjustment : 270mm

Optional :

- IV Rod
- Lifting Pole
- Dining Table

Hospital bed Range

Model No. HB 500
[Electric – Five Function Care Bed]



General Features

- ABS head & foot boards are removable
- ABS side panels, collapsible type with safe lock
- Bed sheet top made from perforated steel, epoxy powder coated and baked finish
- Bed framework made from mild steel ERW rectangular tubes
- With IV rod
- Handheld controller
- 5" (dia. 125mm) covered casters with brake

Technical Specifications

- AC Power: 220V to 240V, 50/60Hz
- Dimension : 2080 x 970 x 480 ~ 750 mm (L x W x H)
- Main function
 - » Back section up/down : 75°±5°
 - » Knee section up/down : 40°±5°
 - » Height adjustment : 270mm
- Trendelenburg : 12°±5°

Model No. ESS 101 [Scoop Stretcher]

Technical Specifications

- Aluminium Frame
- Thermal resistant Composite material
- Clutch enable detachable interlocking between right and left halves
- Clutch design : Centre or Lateralized
- Length Adjustable
- 02 pairs of quick release belts
- Net Weight : 8.5 Kg
- Length : Min ; 120 cm, Max ; 210 cm
- Width : 40~45 cm
- Weight Bearing : Up to 159 kg
- Carton size : 172 X 47 X 9cm
- Optional : Head Immobilizer with straps



Model No. ESB 101 [Spine Board]



Technical Specifications

- 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 3 Pairs with easily detachable latches / clips
- Optional : Head Immobilizer with straps

Head immobilizer

Technical Specifications

- Made of high - density plastic materials, large ear holes for monitoring the patient's ear canal.
- Can be used with scoop stretcher and spine board
- Minimal interference with X-ray, MRI, or CT scanning procedures.
- Water resistant plastic coating makes it easy to clean and prevents bacterial growth on it



Model No. EBS 101 [Basket Stretcher]



Technical Specifications

- For emergency situations, and it's sturdy and flexible for use in all types of aid in special situations
- Reliable fittings enable first-aid personnel to operate rapidly and safely
- With its special sling equipment, the stretcher is ideal for lifting and transport by helicopter
- Adjustable feet-securing mechanism, safety belts and a mattress
- It can easily accommodate inside the helicopter
- All the materials used have dimensions suitable to work and fire-proof
- It doesn't release any toxic or polluting substances and protected to obtain high resistance to wear and corrosion
- It can split into two parts, making it compact and easy to transport

Model No.	Product Size	Folded Size	Self Weight	Loading Bearing	Packing Size	Gross Weight
EBS - 101	216 X 61 X 19 cm	130 X 61 X 26 cm	20.5Kg	159Kg	135 X 64 X 28 cm	22.5Kg



Model No. EMS 100

(Auto Loader/Emergency Stretcher)



Technical Specifications

- The loading height can be adjusted : **High position is 68 cm**, the **second position is 63 cm** and the **lowest position is 58 cm**
- The bed surface of the stretcher is made up 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, easy for sterilization and cleaning.
- The diameter of caster wheel is **125~150 mm**

Wall mounting lock, floor lock or central lock to fixed the auto loader in Ambulance

Optional : Head immobilizer

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	190 X 55 X 92 cm	190 X 55 X 25 cm	75°	-	33 Kg	159 Kg	1	195 X 62 X 25.5 cm	46 Kg

Model No. EMS 101

(Folding Stretcher)



Technical Specifications

- 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**
- Optional**
- Two Fold Folding Stretcher**

Model No.	Unfolded Size	Folded Size	Self weight	Max. Wt. Bearing Capacity	Packing Size	Gross Weight
EMS - 101	214 X 55 X 12 cm	58 X 21 X 14 cm	5.99Kg	160Kg	67 X 30 X 17 cm	7 Kg

Model No. EMS 102

(Stretcher cum Wheelchair)



Technical Specifications

- Stretcher trolley can easily be converted into a chair
- The angle of stretcher can be adjusted according to your different requirement**
- Quite suitable to transfer the patients in the limited place, such as lift in hospital, to carry patient from one department to another department in the hospital, in ambulance or at city roads
- Made up of Aluminum alloy materials**
- It is characterized by its being anti-corrosion, use safely and easy for sterilization & Cleaning**

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 - 102	196 X 55 X 86 cm	196 X 55 X 25 cm	85°	-	34 Kg	159 Kg	1	198 X 62 X 26 cm	40 Kg

Model No. ESC 100

(Stair Chair)

Stair chair is mainly use in ambulance where we cannot use emergency stretcher. As it occupies less space and easily suspended in ambulance. It has facility of lifter rod.



Model No.	Product Size	Folded Size	Self weight	Load bearing	Packing Size	Gross Weight
ESC - 100	90 X 51 X 91 cm	90 X 17 X 59 cm	10.5Kg	159Kg	100 X 20 X 61 cm	11.7Kg