

# Glamatic

## AN EXTENSIVE RANGE OF MEDICAL EQUIPMENT

### Glamatic Pharmaceuticals Private Limited

{ISO, WHO-GMP, CE and other various Govt. License and Make In India CERTIFIED & A+ Rated COMPANY} is a fastest growing, Start-Up India company in the Hospital / Medical Equipment field in Eastern Part of India. The company believes in long term relationship with customers.

We believe in mutual growth as objective. Apart from product quality, we are also focus on buyer's friendly policies. Business which is directly linked to the well-being of the people makes us more responsible.

Our comprehensive consulting and Support & Services in medical technology ensure maximum performance for your company by the mode of AMC and CMC process.

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## Vision & Mission






Offering solutions and products that are in verifiably effective - that is our vision. Our vision always pushes us to develop and offer high quality solutions and products which can be proven to be effective and efficient in their application. Most trusted provider of medical device design, development, manufacturing, assembly, and service solutions.

To develop healthcare, medical equipment which are beneficial to the user and ultimately to the patient by the way of advancement in technology at optimal pricing

## Our Values

-  Customer Priority
-  Teamwork
-  Agility
-  Accountability
-  Continuous Improvement

## A Single Window Solution Provider

-  Products
-  Hospital / Nursing Home Set-Up
-  Turnkey Solutions
-  Consultancy
-  Financial Solution to Hospital / Nursing Home Set-up

We offer demos and trainings with our products in our customers operating rooms that are carried out by our highly qualified professional people

## Medical Equipment Support & Service

- ★ Technical support Online & Offline mode.
- ★ Optimize utilization & expand the lifetime of Medical Equipment
- ★ AMC & CMC for all Medical Equipment & Hospital Furniture

## Our Strength

We understand that complete customer satisfaction is the key to success in the competitive business arena. Our professionals work in close coordination with our clients to meet all the requirements within stipulated time frame. One of our major strengths includes the following:

- ★ Meeting Individual Requirements: Every order, how so ever big or small, is complied with in accordance with individual requirements.
- ★ Twin Passion: Best quality & competitive pricing is the twin passion at 'GLAMATIC'.
- ★ Assets: Ever-growing clientele & excellent references are our assets.

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# TRIOVENT **EXCEL**

## ICU VENTILATOR



ADULT



PAEDIATRIC



NEONATAL



**TOUCH  
SCREEN**

**15.1" Or 18.5"**



VERSATILITY



EASE



COMFORT



AUTONOMY



HIGH FLOW **OXYGEN  
THERAPY**



NON INVASIVE  
**VENTILATION**



INVASIVE **VENTILATION**

## VENTILATION MODES

1. The choice of mode is a medical decision that depends on the the patient's CO<sub>2</sub> elimination,oxygenation,activity,and breathing effort.
2. A ventilation mode combines breathe type breath sequence, and control variables.

### Volume Controlled Ventilation

#### A) VCMV & VACV Mode

INVASIVE MODE	NON-INVASIVE MODE
<b>VCMV</b> (Volume Control Mandatory Ventilation)	<b>VPSV</b> (Volume Pressure Support Ventilation)
<b>PCMV</b> (Pressure Control Mandatory Ventilation)	<b>PPSV</b> (Patient Pressure Support Ventilation)
<b>DCMV</b> (Dual Control Mandatory Ventilation)	<b>VICV</b> (Volume Independent Control Ventilation)
<b>VACV</b> (Volume Assist Control Ventilation)	<b>COVID-19</b> (Advanced BIPAP Mode)
<b>DACV</b> (Dual Assist Control Ventilation)	<b>APRV</b> (Airway Pressure Realise Ventilation)
<b>VSIMV</b> (Volume Synchronized Intermittent Mandatory Ventilation)	<b>DUPAP</b> (Dual Positive Airway Pressure)
<b>PSIMV</b> (Pressure Synchronized Intermittent Mandatory Ventilation)	<b>BIPAP</b> (Bi level Positive Airway Pressure)

### Optional : B-CPAP (Bubble CPAP)

### Monitored Parameters

<b>Pressure Measurements</b>	Peak Inspiratory Pressure (PIP) Positive end Expiratory Pressure (PEEP) ( $P_{mean}$ ) Plateau Pressure Pressure Range - 0 to 60 cm H <sub>2</sub> O
<b>Flow Measurements</b>	Expiratory minute Volume ( $M_{ve}$ ) Inspiratory minute Volume ( $M_{vi}$ ) Spontaneous Expired minute Volume (Spont $M_{ve}$ ) Range 0 to 80 L/min
<b>Volume Measurements</b>	Inspiratory Tidal Volume Expiratory Tidal Volume ( $V_{Te}$ ) Oxygen Concentration (FIO <sub>2</sub> ) Respiratory Rate (RR)
<b>Other Measurements</b>	I:ERatio Inspiratory Time( $T_i$ ) Static Lung Compliance( $C_{stat}$ ) Expiratory Time( $T_e$ )
<b>Trends</b>	Storage of trends 72 hours, all parameters.



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FEATIURES	TRIOVENT EXCEL
Inspiratory Pressure	1-60 c.m H <sub>2</sub> O
System Based	Compressor Based Motor's Rating: 0.5 HP***
Dimensions	H 1300 x D 500 x W 560(mm)
User Interface	Monitor Touch Screen, GLCD, Control Knob, Keypad
Battery Backup (Max)	4 Hrs (With oxygen support only)
Battery Recharge time Weight (Approx.)	4-5 Hours
Weight (Approx)	60 kg with compressor
Flow Rate	0 to 80 LPM
Pressure Support	0-30 cm H <sub>2</sub> O
FiO <sub>2</sub> Setting	21% to 100%
Tidal Volume	6 ml to 2000 ml
Respiratory Rate	60 BPM
I: E Ratio	1.5 & 5.1
Waveforms	3 Waveforms
Lung Compliance	3 Waveforms on Screen
Audio/Visual Alarms Alarm Types	Audio, Visual Alarms
Audio/Visual Alarms Alarm Types	<ol style="list-style-type: none"> <li>1. High Pressure Alert</li> <li>2. Mask Open Detected</li> <li>3. Low Battery</li> <li>4. Oxygen Line Alert</li> <li>5. High/Low Tidal Volume</li> <li>6. Diaphragm Activated/Deactivated</li> <li>7. Low Flow</li> <li>8. Power Off</li> <li>9. ET Tube Choked</li> </ol>
Patient Type	Adult, Paediatric, Neonatal
Trending Time	> 72 Hours
Air & O <sub>2</sub> Supply	2.5 to 6 Bar
Inspiratory & Expiratory Pause	YES
Leak Detection	Up to 10%
Mandatory Modes and Patient Control Modes	VCMV, VSIMV, VACV, VPSV, VICV, PICV PCMV, PSIMV, PACV



FEATIURES	TRIOVENT EXCEL
HFNC	YES Insp. & Exp. Pressure Trigger
PSV/ Advance Mode	Du-PAP, CPAP, APRV, BI-PAP
Bubble CPAP	Optional
Electrical Requirements	220-230V AC
Power Consumption	750W Maximum
Dimensions	1185 mm x 438 mm x 347 mm
Humidifier	Optional Respiratory Humidifier** DL- 2605 (Servo Controlled)
Warranty	1 Year
Limb Type	Dual Limb
Certifications	ISO 13485:2016 IEC - 60601-1, CE
Unit Type	Class 1 Type: B



Flow vs Time / Pressure vs Time / Volume vs Time

Pressure Flow Loop - Pressure Volume Loop  
- Volume Flow Loop

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## OPTIONAL - DEDICATED NEONATAL SPECIFICATIONS

Inspiratory Pressure Range	0-60 cm H2O
System Based	Compressor Based Motor's Power: 1HP
Device Setup	0-60 cm H2O
PEEP	GLCD, Control Knob
Battery Backup	0-30 cm H2O
Battery Recharge time	4 Hours
Humidification	2 Hours
Environmental Conditions	Temperature: 5-40°C Humidity: 4 - <90% Altitude: 200- 3000m Atmospheric Pressure: 500 – 800 mmHg
Patient Type	Neonatal, Paediatric
Pressure Control Modes	PPSV , PICV
Therapy type	Non-Invasive Ventilation (PPSV) Pressure Support Ventilation (DuPAP)
Advanced mode	BiPAP, DuPAP, HFNC, Bubble CPAP
Pressure Supply	CPAP, BIPAP , APRV
Electrical Requirements	220- 240V AC 50Hz
Warranty	1 Year
Limb Type	Bi Limb/Dual Limb



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- ❖ Dedicated ventilator designed for use in patient transport. To provide automated, alveolar ventilatory support for patients during interhospital or intrahospital transport, and in emergency situations.
- ❖ Capable of operation in various environments such as Emergency and Ambulance.
- ❖ **Use in patients weighing from 500gm to 100 Kg.**
- ❖ A powerful, ultra-quiet-turbine offers constant ventilation and patient comfort
- ❖ **Suitable for Neonatal**
- ❖ Applicable for Adult and Paediatrics also up to patient weight 100 kg
- ❖ Intra-Hospital and Out of Hospital transport, emergency rooms, ICU and General Wards
- ❖ Compact and Light Weight, Easy mobility
- ❖ 12 Ventilation Modes: VCMV, VACV, PCMV, PACV, V-SIMV, PPSV, Bi-PAP, CPAP
- ❖ Adjustable O2 Concentration from 21% to 100%
- ❖ Long Lasting Battery time of 2 hours for smooth operations
- ❖ 10.1" screen size

## THRILL

### A PORTABLE TRANSPORT VENTILATOR



## FEATURES

SPECIFICATIONS	PERFORMANCE PARAMETER SPECIFICATIONS
<b>Weight : 4.5 Kg</b>	<b>Volume : 2 ml to 2000 ml</b>
<b>Dimensions : 22 cm x 25 cm x 35 cm</b>	<b>Pressure : 0 to 60 cm H2O</b>
<b>Noise : &lt; 30 DBA at 1 m</b>	<b>Insp. Time : 0.2 sec to 4 sec</b>
<b>OPERATING ENVIRONMENT</b>	<b>Respiratory Rate : 0 - 150 LPM</b>
<b>Temperature : +5° C to 40° C (-40° F to 104° F)</b>	<b>Trigger Sensitivity : Flow and Pressure</b>
<b>Humidity : 10% to 95% RH</b>	<b>PEEP : 0 to 30 cm H2O</b>
<b>Atmospheric Pressure : 8.7 psi to 16.0 psi</b>	<b>I:E Ratio : 1:5 to 5:1</b>
<b>ELECTRICAL CHARACTERISTICS</b>	<b>Volume Accuracy : ±10%</b>
<b>Power Supply : 230 V 12 Amp 750 V (Max)</b>	<b>O2 Concentration : 21% to 100%</b>
<b>Internal Battery : lithium ion, 25.2 V, 4.4 Ah</b>	<b>Recruitment Tools : Inspiration and Expiration</b>
<b>USB compatibility : USB flash memory USB 2.0</b>	<b>Oxygen Input : 1.5 Bar</b>
<b>MODES OF VENTILATION</b>	<b>Screen Size : 10.1 Inch</b>
<b>VCMV, VACV, PCMV, PACV, V-SIMV, PPSV, Bi-PAP, CPAP</b>	





## THREE PARA PATIENT MONITOR

Pulse Oximeter with **NIBP** & **Temp**  
**Model : GPM1033**

### Size & Weight

**Size:** 176 X 145 X 295mm

**Weight:** Appx 1.50 Kgs

### Features :

- Large LED Display for Parameters & 3.5" color Display for waveform
- For ICU & OT , Medicine, Surgery,
- Display: SpO2 Pulse rate, NIBP (Sys, Dias & Mean) & Temp SpO2% limits, Pulse rate limits, NIBP Limits, Plethysmograph, Bar Graph, Alarm status, trend, Battery status, time & date,
- Silence, NIBP, Battery Charge, Freeze, Power Indicator
- Audible and visual alarm for saturation, pulse rate, sensor condition, system failure and low battery.
- 2000 NIBP, 78000 SpO2 Records & 24 Hrs Graphic Trend
- Monitor adult, paediatrics & Neonatal
- Protect ESU (Electric Surgical Unit) noise
- Read through motion and low perfusion condition.
- Built-In rechargeable Battery

### SpO2

#### Read through motion & Low perfusion conditions :

**Measurement Range** : 0-100%

**Resolution** : 1%

### PR

**Range** : 0-100%

### Temperature

**Measurement Range** : 0-50 C

**Resolution** : 0.1 C

### NIBP

**Measuring Method** : Pulse Wave Oscillometry

**Working Mode** : Auto / Manual / Continuous

**Cycle Time** : 1-480 min.

**Overload Protection** : Adult / Pediatric

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## MULTIPARA PATIENT MONITOR **KICK GPM1555**

### Description :

- Fanless design, quiet, energy-saving and clean, which reduces the possibility of cross-infection.
- All-round monitor for adult, pediatric and neonatal. With standard interface, oxygen graph, trend graph, big character interface and view bed, convenient to observe.
- Finish all operations by keys and knobs.
- Maximum 8-channel waveform
- Synchronous display.
- Display 7-lead ECG waveform on one screen, cascade ECG waveform display. Adopt digital SpO2 technology,
- Anti-motion and anti-ambient light interference, and measurement can be performed under the circumstance of weak filling.

### Features & Details :

One-touch printing of trend graph

Connect to Central Monitoring System by **3G, Wi-Fi or wired mode. AC/DC**, built-in rechargeable **lithium battery** achieve uninterrupted monitoring.

**Anti-high frequency surgical unit, defibrillation-proof** (special leads are necessary).

### Product Information :

**Package Dimensions** 40 x 40 x 39 cm; 3 Kilograms ASIN B08WKCLHKM

**Best Sellers Rank** #241,642 in Health & Personal Care (See Top 100 in Health & Personal Care)

**#409 in Heart Rate Monitors** Additional Information Manufacturer: **CHINA**

**Item Weight:** 3 kg **Net Quantity** . 1.00 count

### Technical Features :

- Easy to Learn, easy to use - simplified menus and dedicated function Keys.
- **12.1" color** TFT display with multi-channel wave form display.
- Rechargeable high energy built in Li battery
- Suitable for Adult, Paediatrics and Neonates.

### ECG

**Lead Mode** : 3 Lead or 5 Lead

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

**Heart Rate Range** : 15-300 bpm

### Respiration

**Method:** RA-LL impedance

**Range** : • Adult : 7-120 bpm  
• Resolution : 1 bpm  
• Accuracy :  $\pm 2$  bpm

### NIBP

**Method** : Oscillometric  
**Mode** : Manual, Auto, Continuous

**Auto Measure Time** : Adjustable  
**Measurement Range** : 40-270 mmHg

### Temperature

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

### SpO2

**Measurement Range** : 0-100% **SPO2 Range** : 20-300 bpm **SPO2 Accuracy** :  $\pm 3$  bpm

**Accuracy** : 70-100%,  $\pm 2\%$  & 0-69%, Unspecified Pulse Rate PR

**ECG Range** : 15-350 bpm **ECG Accuracy** :  $\pm 1$  bpm or 1% whichever is greater

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## TOUCH SCREEN MULTIPARA PATIENT MONITOR

Model : **GPM1015**

### Introduction :

- 12.1" TFT LCD, Suitable for Bedside, Operation room, ICU, etc.
- Support various Modules Including 3/5/12 Leads ECG, RESP.
- SPO2, NIBP, IBP, CO2, AG etc.
- Multi-Display Large Font, Standard, Full Leads, Trend, oxyCRG
- 720h Monitoring Data Storage.
- Built-in detachable rechargeable lithium Battery (about 4h)
- Support Multi-language, Central Monitoring System



### Specification :

#### ECG

- Lead Mode:** I, II, III, AVR, AVL, AVF, V
- Gain X** 0.25, X 0.5, X1, X2.
- Heart Rate:** 15-300BPM(Adult) 15-350BPM(Neonatal)
- Resolution:** 1 BPM      **Accuracy:**  $\pm 1\%$ .
- ST measurement Range :** -2.0 +2.0mV
- Pacemaker :** Yes
- Sweep Speed :** 12.5mm/s, 25mm/s, 50mm/s
- Bandwidth:**
  - Diagnostic: 0.05-130HZ
  - Monitor: 0.5-40HZ
  - Surgery: 1-20HZ

#### RESP

- Measure Range:** 0-150BrM
- Resolution :** 1BrPM
- Accuracy :**  $\pm 2\%$

#### TEMP

- Measure Range:** 0-50°C
- Resolution :** 0.1° C
- Accuracy :**  $\pm 0.1$  C

#### OPTIONAL

- Recorder
- Central Monitoring System
- 2IBP
- ETCO2 :  $\pm 2\%$

#### SPO2

- Measure Range :** 0-100%
- Resolution :** 1%
- Accuracy :**  $\pm 2\%$  (70-100%)
- Pulse Rate :** 20-250 BPM
- Resolution :** 1 BPM
- Accuracy :** 3BPM

#### NBIP

- Work Mode :** Manual, Automatic Continuous
- Unit :** mmHg, kPa
- Measure Range :**
  - Adult :** SYS 40-280mmHg      DIA: 10-225mmHg  
MEAN: 20-240mmHg
  - Pediatric :** SYS 40-220mmHg      DIA: 10-160mmHg  
MEAN: 20-170mmHg
  - Neonatal :** SYS 40-135mmHg      DIA: 10-100mmHg  
MEAN: 20-110mmHg
- Resolution :** 1mmHg      **Accuracy :**  $\pm 5$ mmHg Port Upgrade Via Network

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## MULTIPARA PATIENT MONITOR **PLATINUM** GP1055

### Introduction :

- The monitor has abundant functions that can be used for clinical monitoring with adult, pediatric and neonatal.
- Users may select different parameter configuration according to different requirements.
- The monitor, power supplied by 100-240V~,50/60Hz, adopts 12.1" color TFT LCD displaying real-time date and waveform.
- It can synchronously display eight-channel waveform and full monitoring parameters equipped with an optional 48mm thermal recorder.
- The monitor can be connected to the central monitoring system via wire or wireless network to form a network monitoring system.
- This device can monitor such parameters as ECG, RESP, NIBP, SpO2, and dual-channel TEMP, etc. It is upgradable to ETCO<sub>2</sub> & IBP, Built-in Thermal Printer. It integrates parameter measurement module, display and recorder in one device to form a compact and portable equipment. Its replaceable internal battery brings lot of convenient for patient moving..

### Features :

- 12.1" TFT color LCD, multi-language interface(Simplified Chinese, Traditional Chinese, English, French, German, Turkish, Spanish, Portuguese, Italian, Dutch, Romanian, Russian, Kazakh, Polish, Czech).
- Fanless design, quiet, energy-saving and clean, which reduces the possibility of cross-infection.
- All-round monitor for adult, pediatric and neonate.
- With standard interface, oxygen graph, trend graph, big character interface and view bed, convenient to observe.
- Finish all operations by keys and knobs.
- Maximum 8-channel waveform synchronous display.
- Adopt digital SpO2 technology, anti-motion and anti-ambient light interference, and measurement can be performed under the circumstance of weak filling.
- Heart rate variability (HRV) analysis function
- NIBP measurement mode: Manual/AUTO/STAT, storage
- Review for 71 alarm events of all parameters and 60 arrhythmia alarm events.
- Drug concentration calculation and titration table functions.
- One-touch printing of trend graph
- Connect to Central Monitoring System by 3G, Wi-Fi or wired mode.
- AC/DC, built-in rechargeable lithium battery achieve uninterrupted monitoring Anti-high frequency surgical unit, defibrillation-proof (special leads are necessary).

### Performance :

#### ■ ECG

**Lead mode:** 3-lead or 5-lead  
**Lead selection:** I, II, III, aVR, aVL, aVF, V  
**Waveform:** 5-lead, dual-channel  
 3-lead, single-channel  
**Gain:** 2.5mm/mV, 5.0mm/mV, 10mm/mV, 20mm/mV, 40mm/mV  
**Scan speed:** 12.5mm/s, 25 mm/s, 50 mm/s

#### HR:

**Measurement and alarm range:** 15~350 bpm  
**Accuracy:**  $\pm 1\%$  or  $\pm 1$  bpm, whichever is greater  
**Alarm accuracy:**  $\pm 2$  bpm  
**Resolution:** 1 bpm  
**ST-segment monitoring:**  
**Measurement and alarm range:** -2.0 mV ~ +2.0 mV  
**Accuracy:** -0.8 mV~+0.8 mV  $\pm 0.04$  mV or  $\pm 10\%$ , whichever is greater  
**Other range:** unspecified  
**Arrhythmia analysis:** ASYSTOLE, VFIB/VTAC, COUPLET BIGEMINY, TRIGEMINY, R ON T, VT>2, PVC, TACHY, BRADY, MISSED BEATS, PNP, PNC  
**Pacemaker:** yes

#### ■ RESP

**Method :** R-F(RA-LL) Impedance  
**Respiration rate:**  
 Measurement and alarm range: 0~150 rpm  
**Resolution:** 1 rpm  
**Measurement accuracy:**  $\pm 2$  rpm  
**Alarm accuracy:**  $\pm 3$  rpm  
**Apnea alarm:** 10~40s  
**Scan speed:** 6.25 mm/s, 12.5 mm/s, 25 mm/s



## MULTIPARA PATIENT MONITOR

### PLATINUM GP1055

#### Performance :

##### ■ NIBP

**Method:** Oscillometry

**Mode:** Manual/AUTO/STAT

**Measurement interval in AUTO mode:** 1/2/3/4/5/10/15/30/60/90

1/2/3/4/5/10/15/30/60/90/120/240/480/960 minutes

**Measurement period in STAT mode:** 5 minutes

**Measurement and alarm range:** 10 ~ 270 mmHg

**Resolution:** 1 mmHg

**Cuff pressure accuracy:**  $\pm 3$  mmHg

**Measurement accuracy:**

**Maximal mean deviation:**  $\pm 5$  mmHg

**Maximal standard deviation:** 8 mmHg

**Over-pressure protection:**

Adult mode:  $297 \pm 3$  mmHg

Pediatric mode:  $240 \pm 3$  mmHg

Neonatal mode:  $147 \pm 3$  mmHg

##### ■ SpO2

**Measurement and alarm range :** 0 ~ 100%

**Resolution:** 1%

**Measurement accuracy :** 70%~100%:  $\pm 2\%$ ;

0%~69% : unspecified

**Neonatal mode :**  $147 \pm 3$  mmHg



##### ■ TEMP

**Channel:** dual-channel

**Measurement and alarm range:** 0 ~ 50°C

**Resolution:** 0.1 °C

**Accuracy:**  $\pm 0.1$  °C

##### ■ Accessories

- 1) Adult fingertip SpO2 probe (5-pin)
- 2) Adult NIBP cuff
- 3) NIBP extension tube
- 4) ECG lead cable
- 5) ECG electrode
- 6) Temperature probe
- 7) Power cord
- 8) User Manual

##### ■ Physical Characteristic

**Dimension:** 314 mm(L) × 145 mm(W) × 264 mm(H)

**Weight:** 3.9 Kg

##### ADDITIONAL INFORMATION

**Color:** Blue, Purple, White

**Size:** 20, 24

**Material:** 100% Polyester

##### REVIEWS

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## MULTIPARA PATIENT MONITOR

### PLATINUM PLUS GP1055P

#### Features :

- **Suitable for :** Adult, Paediatrics and neonatal
- **Display :** colourful and clear 12.1 inch TFT screen ECG, NIBP, RESP, PR, SpO2, TEMP
- Ambulatory blood pressure technology, Anti-movement.
- 13 kinds of Arrhythmia analysis,
- 15 kinds of drug dose calculation
- Built-in detachable **rechargeable lithium battery**,
- 4 hours battery life.
- 8000 Group of NIBP Measurements .680 hours
- **Trend data and Trend Graph**
- 200 Group Alarm Event Reviewing
- Support: HD, VGA, USB, Internet connector output

#### Pulse Rate

- **Range:** 30-250 bpm
- **Accuracy for PR:**  $\pm 2$ bpm or  $\pm 2\%$
- **With Pulse modulation volume NIBP**
- **Measurement Range:** 10-270 mmHg
- **Modes:** Manual/Auto/Continuous with
- Oscillometric Method
- **Accuracy for NIBP Measurement:**  $\pm 5$ mmHg
- **Measuring interval in AUTO Mode:**  
1/2/3/4/5/10/15/30/60/90/120/240/480  
960 minutes with over pressure protection

#### Technical Features :

- SpO2 Measurement Range : 0-100%
- Accuracy for SpO2:  $\pm 2\%$  (for 70-100%)
- and unspecified for 0-69%
- Alarm Range: 0-100%

#### Temperature :

- SpO2 Measurement Range : 0-100%
- Accuracy for SpO2:  $\pm 2\%$  (for 70-100%)
- and unspecified for 0-69%
- Alarm Range: 0-100%

#### Respiration :

- SpO2 Measurement Range : 0-100%
- Accuracy for SpO2:  $\pm 2\%$  (for 70-100%)
- and unspecified for 0-69%
- Alarm Range: 0-100%

#### ECG :

- **Lead Mode:** 3 lead or 5 lead
- **Support :** HD, VGA, USB, Internet connector output
- **Lead Selection:** I, II, III, avR, avL, avF and V
- **Gain:** x0.25, x0.5, x1, x2
- **Scan Speed:** 6.25mm/s, 12.5mm/s, 25mm/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,  $\pm 0.04$ mV or  $\pm 10\%$  whichever is greater
- **Arrhythmia Analysis:** Analyse up to 13 arrhythmia Beat volume off or 1-7, With Pacemaker detection

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## BIPAP - BREATH EASY

Auto-Bipap ~ Bi-Level Automatic Positive Airway Pressure

**Model - GPBI107**

### Features :

- 2.8" Color TFT Display ensures a friendly user interface
- One Touch Button operation makes the parameter setting easy.
- Constant temperatures humidifier ensure comfortable airflow to patient.
- ERP function automatically traces your breath, provides proper treatment to patient-
- Continuous Sleep Report on Screen.
- Latest Technology of Different pressure sensor & Automatic Leakages sensor makes the therapy more accurate
- Customized German Motor and special sound Insulation material makes very low noise
- Patient breathing with mask can trigger the machine easily into
- Working Mode: Taking off the machine in working mode make it enter into Standby mode automatically 15 sec.
- Internal Intelligence Flash records every using case including Real-time data, event information, cct.



Sleep Report on Screen



SD Card Slot for Data Storage & Report

### Working Modes :

- Auto BiPAP : CPAP, Auto CPAP, S, T & S/T
- Pressure Range (IPAP) : CPAP - 4 to 20 cmH<sub>2</sub>O, BiPAP : 4 to 25 cmH<sub>2</sub>O
- Auto Pressure : Yes
- Automatic On/Off : Yes
- Ramp Time : 0-60 Min
- Auto Leakage Detection : Yes
- Sound Level : <25dBa
- New Weight : 1.6 Kgs
- Dimensions : 25 x 14 x 9.5cm (Host + Humidifier)

### Package Includes :

- Main Unit
- Heated Humidifier
- Nasal Mask
- Tubing 6 Ft
- Carry Case
- Filter
- SD Card for Unlimited Online Report

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## AUTO CPAP Model - GPC1106

### Comfort :

- EPR(Expiration Pressure Relief, 0-3 level)ensure comfort degree **Automatic Synchronization Technology** ensure the and patient to achieve perfect synchronization, which make patients nice experience.
- **High efficiency brushless DC motor, 10MS** of rapid response Patent for cancel muffling technology. Special water tank to make operation very easy and humanized.
- **Auto-cpap mode** can work for both **OSA** and **CSA**.
- **Intelligent doctor software** greatly reduce doctors's workload.

### Specification:

Description	GPC1106
Work Mode	CPAP, Auto
Screen	2.8 inch TFT
Pressure Range	4-20 cmH2O, auto adjustment
Data Storage	SD Card
Power Supply	Input 100-240V, 50-60Hz, 1-2A; Output + 24V, 2.5A
DC Voltage	24VDC, 2.5A
Over-Temperature Protection	Stop automatically, alarm with 4 times
Ramp Item	0-60 min adjustable 1min/Step
Auto ON/Off	Yes
EPR	Yes
Leak Compensation	Yes
Awake Detection	Yes
Breath Event Detection	Yes
Auto Pressure Titration	Yes
Humidifier Level	Yes
Dimensions(cm)	28L x 14W x 9.5H(machine); 38.5L x 36.5W x 16H(carton)
Weight	1.6Kg(net weight); 3.9Kg(gross weight)





## SINGLE CHANNEL ECG

### Model - GPEC1001

**GPEC1001** is a kind of single channel electrocardiograph, which features in printing ECG waveform by thermal printing system, prompting for "Lead off" or "Lack of paper", multi-language interface, recording ECG waveform in AUTO/Manual mode, convenient to operate.

#### Function

- ◆ Adopt digital signal processing technology and get high-quality ECG waveform via power frequency filter, baseline filter and EMG filter of ECG signal.
- ◆ Adopt high-resolution thermal printing system(8 dot/mm), no need for any adjustments. Recording frequency: up to 150Hz.
- ◆ Real-time and continuously record the clear and accurate ECG waveform and annotation character(including lead mark, sensitivity, paper speed and filter state, etc.).
- ◆ In AUTO mode, finish recording by pressing the button once, which improves work efficiency.
- ◆ Multi-language (Chinese, English, French, Italian, German, Spanish and Turkish) interface and report.
- ◆ In optimal DC state, up to 7-hour standby time, continuous print up to 4-hour, record up to 150 ECG waveform.

#### Accessories

- |                           |                |
|---------------------------|----------------|
| ◆ Standard:               | ◆ Optional:    |
| A lead cable              | ECG electrode  |
| A limb electrode          | Bag            |
| A chest electrode         | Conductive gel |
| A thermal recording paper |                |
| A power cord              |                |
| An earth wire             |                |
| A user manual             |                |

#### Physical characteristic

- ◆ Working environment
  - Temperature: 5°C~40°C
  - Relative humidity: 25%~95%(non-condensing)
  - Atmospheric pressure: 700hPa~1060hPa
- ◆ Transport and storage environment
  - Temperature: -40°C~+55°C
  - Relative humidity: ≤95%
  - Atmospheric pressure: 500hPa~1060hPa
- ◆ Dimension: 315mm(L) × 215mm(W) × 77mm(H)
- ◆ Weigh: 1.5Kg

#### Performance

- ◆ Input mode: floating and defibrillation protection
- ◆ Frequency response: 0.05Hz ~ 150Hz(-3dB~+0.4dB)
- ◆ CMRR: >60dB, >100dB(add filter)
- ◆ Time constant: ≥ 3.2s
- ◆ Patient leak current: <10μA
- ◆ Calibration voltage: 1mV
- ◆ Sensitivity:
  - 5, 10, 20 mm/mV ±5%, standard sensitivity: 10mm/mV±2%
- ◆ Noise level: ≤15μVp-p
- ◆ Input circuit current: ≤50nA
- ◆ Input impedance: ≥50MΩ
- ◆ Sampling accuracy: 12-bit
- ◆ Safety classification:
  - class I, type CF and defibrillation-proof applied part
- ◆ Recording mode: thermal printing system
- ◆ Paper size: 50mm(W)×20m(L)
- ◆ Sampling frequency: 800Hz
- ◆ EMG interference filter: 35Hz (-3dB)
- ◆ Power frequency filter: AC 50Hz/60Hz(-20dB)
- ◆ Paper speed: 25, 50mm/s, ±5%
- ◆ Power supply:
  - AC: 100V~240V(50/60Hz)
  - DC: 7.4V/2000mAh rechargeable lithium battery
- ◆ Fuse specification: two AC time lag fuse(φ5×20mm), T1.6AL250V
- ◆ Waterproof degree: IPX0
- ◆ Working mode: continuous working

#### Selling points analysis

- ◆ Record single-channel ECG waveform and annotation continuously.
- ◆ AC/DC, built-in rechargeable lithium battery.
- ◆ ◆ In optimal DC state, up to 7-hour standby time, continuous print up to 4-hour, record up to 150 ECG waveform.
- Print the ECG waveform by the high-resolution thermal printing system.
- ◆ Display waveform clearly and accurately by STN-LCD.
- ◆ Multi-language interface.

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## THREE CHANNEL ECG

Model - GPECG1003

5.7" Color Screen

Touch Operation

Mass storage Device

USB & SD Memory

JPG/PDF Reports

PC Review & Print

### Features :

- 12 lead ECG synchronous sampling system
- Thermal printer with 80mm print paper, synchronization print.
- 5.7" color touch-screen, both push-button and touch operation.
- Automatic measurement, calculation, analysis, waveform freezing.
- Support USB flash disk & SD memory.
- Data transmitting to PC via RS232/USB.
- Patient's information can be input.
- Historical data can be reviewed and printed.
- Built-in rechargeable li-ion battery, AC/DC power conversion.
- Sleep mode to save energy and extend LCD life
- Portable design with hidden handle, convenient to carry.
- Lead off & lack off paper detection function.
- 7 level printing thick can be chosen.
- Adapt to 110-230V, 50/60Hz AC power supply

### Product Features :



Touch Mode



Quick Input



Convenient Setting



Unlimited Storage

### Product Features :

CMRR	≥ 100dB, with AC Filter	Calibrating voltage	1mV± 3%
Input circuit	Floating, Protection against defibrillator effect	Voltage tolerance	± 500mV
Input circuit current	≤ 0.1 μA	Time Constant	> 3.2s
Resolution	12bit/1000Hz	Frequent response	0.05Hz~150Hz
Operation mode	Manual/Auto	Noise level	≤ 15 μVp-p
Filter	AC, ECG Filter	Threshold	≤ 20μ V
Drift filter	Anti-Drift System	Paper speed	25, 50mm/s (± 3%)
Input impedance	> 50MQ	Sensitivity	5, 10, 20mm/mV
Patient current leakage	< 10μ A	Recorder	High resolution thermal printer
Specification of fuse	T1.6A 250V Ø5×20	Battery	Li-ion Battery(11.1V,3800mAh)
Recording paper	Thermal recording paper		

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## SIX CHANNEL ECG

**Model - GPECG1006**

### Six Channel ECG :

- Simultaneous 6 channel ECG with 12 lead simultaneous acquisition

### LCD Display :

- 3.5 inch LCD display with One-Touch operation enables the easy viewing of patient demographics and real time ECG data option

### Alphanumeric Keyboard :

- Ensures the freedom of ease of use with one hand

### Easy Measurement and Interpretation :

- Built-in ECG parameters measurement and interpretation

### Built-in Rechargeable Battery :

- High performance Li-ion rechargeable battery enables mains independent operations and provides convenience of easy use

### Print Mode :

- Different print modes include pre-sample, real-time sample, period sample and arrhythmia triggered sample

### Internal Memory :

- Has an Internal Memory, which can store up to 800 ECG

### PC Interface :

- Interfaces with PC using optional Smart-View software

### FUNCTIONAL CHARACTERISTICS :

- 12 LEADS ECG SYNCHRONOUS SAMPLING SYSTEMS
- Thermal Printer with 112MM Print Paper
- 5.7" Color Touch Screen, Both Push Button & Touch Operation
- Data Transmitting to PC VIA RS232/USB
- Patient Information can be Input
- Built in Rechargeable Lion Battery, AC/DC Power Conversion
- Lead Off & Lack Off Paper Detection Function
- Adapt to 110-230 V, 50/60 HZ AC Power Supply

### PRODUCT FEATURES :

- Touch Mode
- Quick Input
- Unlimited Storage
- Convenient Setting



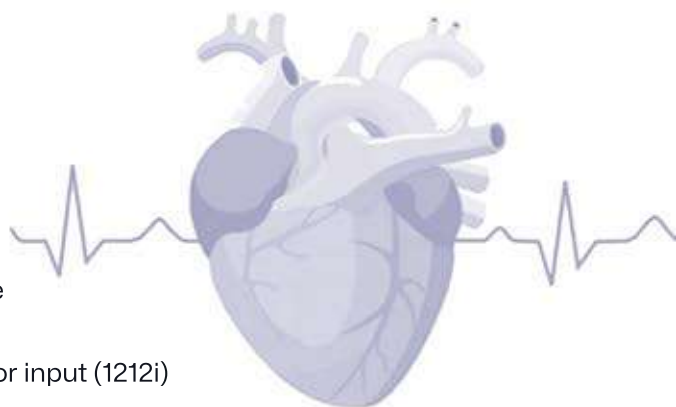


## TWELVE CHANNEL ECG

**Model - GPECG112**

### Features :

Compact in size, easy and direct operation, portable Accurate  
 pace pulse identification and automatic analysis function four  
 working modes: Manual / Auto / Physical Examination / storage  
 12 leads simultaneous waveforms display  
 800 x 480 Graphic 7 inch color screen with Alphabet keyboard for input (1212i)  
 800 x 480 Graphic 10 inch Color Touch Screen  
 210mm, 12 channel A4 format recording  
 Built-in USB, RS232 interface, computer software optional  
 Adapt to 110-230V, 50/60Hz AC power supply, Advanced [Freeze] function  
 Built-in rechargeable Li-ion battery, 250 patients information storage (Extendable)  
 USB interface allows net transmission, USB flash disk and USB printer connected  
 High accuracy thermal printing, adapt to 210 mm roll paper.n



### Technical Specification :

- Lead Standard 12 leads
- Work mode Manual / Auto / Physical Examination / Storage
- Filter AC Filter : 50Hz/60Hz
  - EMG Filter: 25Hz/45Hz
  - Anti-Drift Filter: 0.15 Hz (Adaptive)
  - CMMR 100db (with AC Filter)
- Recording mode 3ch+++, 6ch, 6ch + , 12ch
- Default Man. Mode is 3ch++ format
- Default Auto. Mode is 12ch format
- Paper speed 6.25, 12.5, 25, 50mm/s ( $\pm 3\%$ )
- Paper 210mm 20m roll paper or 210mm 140mm Z-fold paper
- communication RS232/ USB port
- Power supply: Ac 110-230V ( $\pm 10\%$ ), 50/60Hz ( $\pm 1\text{Hz}$ ), 60VA
- DC Built-in rechargeable battery, 14.4V (4400mAh)
- Dimension/ Weight 347mm x 293mm x 83mm / 4.8Kg

### Standard Accessories :

- Main Unit 1 set
- Limb electrodes 1 set
- Power cable 1 set
- Paper axis 1 pc
- Chest electrodes 1 set
- Operation manual
- Printing paper 1 roll



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## SYRINGE PUMP

**Model - GPSP106**

It is a medical Syringe Pump, features in high intelligence, high safety, simple operation and stable working, displaying real-time parameters accurately by an LCD; audible, visible and text alarm; high injection accuracy; detecting the syringe specification automatically, it was widely used in medical institutions for clinical nursing and various occasions for intravenous injection, such as ICU, CCU, neonatology, obstetrics and gynecology, pediatrics, internal medicine, surgery, operating room, emergency room, etc

### Function :

- Injection rate and total volume can be set by users.
- High priority alarms: occlusion, syringe out, motor abnormality, no syringe installed, battery exhaustion, enter KVO, pressure failure, etc. General alarms near completion, low battery and standby prompt.
- With bolus injection function, convenient for supplying temporary and rapid medication.
- Enter KVO mode after the injection is completed.
- With a built-in rechargeable battery, it can automatically switch to battery-powered when power is interrupted and automatically charge once power-on.
- 2.8" LCD
- Audible, visible and text prompt function.
- The system parameter and syringe type settings are protected by the password, prevents changes
- The disposable syringe met national standards can be used, and the accuracy can be ensured by adjusting parameters

### Physical characteristic :

- Dimension: 350 mm (L) \* 132 mm (W) \* 114 mm (H)
- Weight: 1.7 Kg

### Accessories :

- A versatile bracket
- A power cord
- A user manual



### Physical characteristic :

- Dimension: 350 mm (L) \* 132 mm (W) \* 114 mm (H)
- Weight: 1.7 Kg
- Specification for syringe 10 ml/20 ml/30 ml/50 ml syringe met national standards
- Injection rate: -
  - 10ml 0.1 ml/h-200ml/h
  - 20ml 0.1 ml/h-400 ml/h
  - 30ml 0.1 ml/h-600 ml/h
  - 50ml 0.1 ml/h-1200 ml/h
- Bolus rate :
  - 10ml 200 ml/h
  - 20 ml 400 ml/h
  - 30ml 600 ml/h
  - 50ml 1200 ml/h
- Accumulated volume: 0ml-9999 ml
- Injection accuracy:  $\pm 3\%$
- Pressure range of occlusion alarm
  - Low: 40 kPa ( $\pm 16$ kPa)
  - Middle: 70 kPa (30 kPa)
  - High: 100 kPa (35 kPa)
- KVO rate 01 ml/h
- Class: Class II, type BF applied part, internally powered equipment
- Alarm: occlusion, syringe out, motor abnormality, pressure failure, enter KVO, battery exhaustion, no syringe installed, near completion, low battery and standby prompt.
- Maximal power consumption 25 VA, at least 4-hour continuous operation at the injection rate of 5 ml/h after fully charged.
- Power supply: AC 100-240V, 50/60HZ
- Battery: lithium battery, 7.4V, 5000 mAh





## VOLUMETRIC INFUSION PUMP

### Model - GPV1108

#### Product Specification :

- Application : Hospital, Clinical Purpose
- Model : GPV1108
- Brand : Glamatic

#### Specification of Infusion Pump :

- Rate : 1ml/h ~ 1,200ml/h
- Flow Rate Accuracy : Within  $\pm 5\%$  (after correct calibration)
- Mechanical precision : Within  $\pm 2\%$
- Purge Rate : 100ml/h ~ 1,000ml/h (100 ml/h step)
- Infusion Volume : 1ml ~ 9999ml
- Total Infusion Volume : 0.1ml ~ 9999.9ml
- KVO rate : 1ml/h ~ 5 ml/h (1ml/h step)
- Occlusion : High: 800mmHg  $\pm 200$ mmHg (106.7kPa $\pm 26.7$ kPa)  
Medium: 500mmHg  $\pm 100$ mmHg (66.7kPa $\pm 13.3$ kPa)  
Low: 300mmHg  $\pm 100$ mmHg (40.7kPa $\pm 13.3$ kPa)
- Unique audible and visible alarm : Human voice alarm for End of injection, occlusion, door open, bubbles in the tube, wrong setting, low battery, AC power pulled out etc.
- Power Source : AC 100V ~ 240V, 50/60Hz; Internal rechargeable Li battery, capacity $\geq 1,600$ mAh, 4 hours internal battery backup
- Bubble detector : Ultrasonic wave detector; detection sensitivity  $\geq 25\mu\text{L}$
- Fuse : F1AL/250V, 2 pc inside
- Power Consumption : 18VA
- Operating Condition : Ambient temperature =  $+5^\circ\text{C} \sim +40^\circ\text{C}$ ; Relative humidity = 20 ~ 90%;  
Atmospheric pressure = 86.0kpa ~ 106.0kpa;
- Transport & Storage Condition : Ambient temperature =  $30^\circ\text{C} \sim +55^\circ\text{C}$ ; Relative humidity =  $\leq 95\%$ ;
- Equipment Classification : Class II, internal power supply, Type CF
- IP Classification : IPX4
- Dimension : 140mm (L)  $\times$  157mm (W)  $\times$  220mm (H)
- Weight : 1.8kg (net weight)

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## OXYGEN CONCENTRATOR

### Model - GPOC109



Active lifestyle of your patients in today's world, demands easy and efficient solutions to their problems. Glamatic GPOC101 fits right in. It combines comfort and affordability to provide convenient oxygen therapy to your patients at home.

Oxygen therapy becomes easy, reliable and economic with Glamatic Concentrator over the course of its usage. To ensure comfortable experience during its ownership, it is incorporated with essentials like strong plastic case, proven sieve bed, low power consumption capacity and Pressure Swing Adsorption (PSA) technology. The compact design, light weight and advanced features make it ideal for convenient and hassle-free oxygen therapy for your patients at home.



**High Purity of Medical Grade Oxygen : 3 lead or 5 lead**



**LCD Display :** LCD Display shows the time the machine is run & various Alarms



**In-Built Nebulizer :** Machine is equipped Automizer Therapy



**NASA derived technology :** LCD Display shows the time the machine is run & various Alarms



**Adjustable Flowmeter :** Flowmeter can be easily adjustable as per the need of patient from 0~5 Lpm



**Triple Protection Filter :** Equipped with Gross Particle Cabinet Filter, Compressor Intake Filter & Bacterial Filter



**User Friendly / Zero Maintenance :** Rugged & Durable ABS moulded cabinet for strength and durability



**Low Cost of Oxygen Generation :** No other raw material required Except Air



**Audio & Visual Alarm :** Equipped with Audio & Visual Alarm System



**Low Noise :** Quiet Unit-allowing restful sleep to patients.



**Real-time Flowmeter Knob :** Flow Control Kob allows you the ability to control prescribed oxygen level. High Output Allows longer tubing without restricted the flow.



**Low Power Consumption :** Consumes very less power

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## DEFIBRILLATOR

### Portable Biphasic Defibrillator

#### Model - GPDF104

#### Features :

- 7" colour TFT display
- Easy energy selection upto 270joules  
Less than 8 seconds for full charge 270 joules
- More than 50 shocks on full charge battery
- Event trend and storage upto 24 HRS  
ECG acquisition via paddles & cable  
Upgradable to spo2 & NIBP

## Technical Specifications :

### Measuring Parameters

- Channel : 2 Channel
- Electrode : 3/5 Leads
- ECG Acquisition : Patient Cable and Paddles
- Display : 2 Waveforms with HR and Joules selected
- Lead : Lead I, II, III, aVR, aVL, aVF, V
- Gain Selection : 5/10/15/20mm/mv
- Sweep Speed : 12.5, 25 or 50mm/sec
- Heart Rate Range : 30-240bpm
- Heart Rate Accuracy : +2bpm

### Recorder

- Type : High Resolution thermal array recorder
- Printing Speed : 25mm/sec
- Printer Paper Size : 57 mmx 20 Mtr
- Details on print : HR,ECGw/falong with energy delivery, Date, Time, Patient Details

### Display

- Type : Color TFT display
- Size : 7" Diagonally
- Resolution : 800x 480 Pixels

### General

- Weight : 5.4Kg
- Dimensions : 403 (L) X 152 (H)X324(W)mm
- Working temperature and humidity : 0-40 deg.cel. & up to 90% non condensing

### Electrical

- Power Input : AC 230V, 50 Hz
- Battery Rating : 14.8V/ 4400 mAh, Li-Polymer
- Charging Time : 8 Hours
- Operating Time : 40-50 shocks (270 joules) or more than 3 Hours monitoring without printing



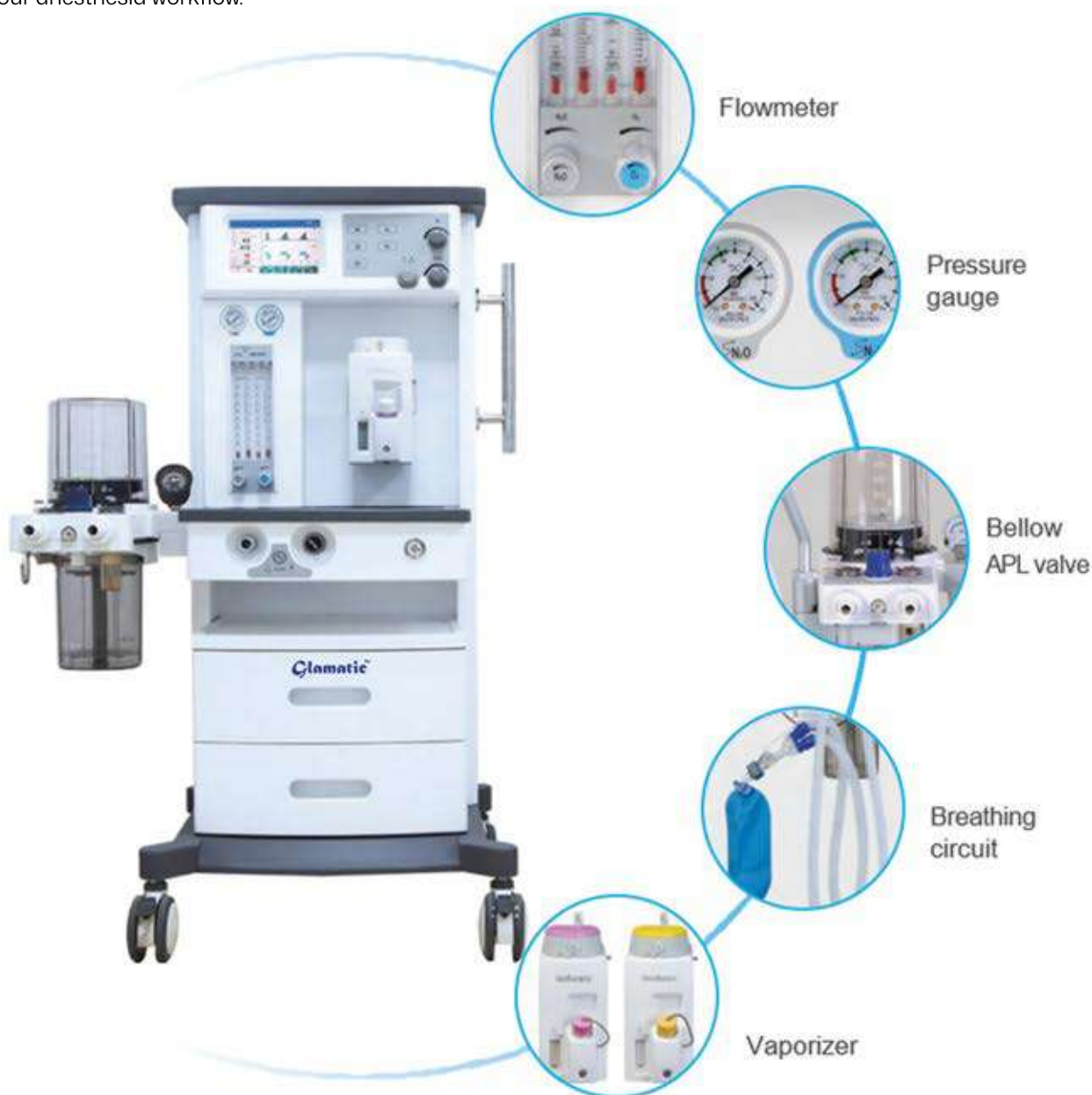
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## Application :

The Anesthesia machine makes a good performance in Intensive Care Units (ICU), Operation room, Anesthesiology Department and other departments. Anesthesia Machine is designed for ease of use, incorporating basic functions and the maximum patient safety in daily anesthesia practice. Professionally designed for adult, child and infant. Anesthesia and respiratory management, with advanced ventilation mode, Combine proven ventilation technology with the latest refinements in ergonomics and systems integration with an advanced, easy to use anesthesia designed together with experienced experts to streamline your anesthesia workflow.

## ANAESTHESIA WORK STATION ANODYNE DESK



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## ANAESTHESIA WORK STATION **ANODYNE DESK**

### ANAESTHESIA VENTILATOR :

10.1" Touch Screen Display

Modes : CMV/VC, CMV/PC, ACV/VC, ACV/PC, SIMV/VC  
SIMV/PC, MANUAL

Tidal Volume : 20-1500ml

Frequency : 1-60bpm

I:E Ratio : 1:5-5:1

PIP : 0-60 cmH<sub>2</sub>O

**ALARM** : High Pressure, Low pressure, Patient Disconnect,  
VTHigh/Low, fio<sub>2</sub> failure/fio<sub>2</sub> low and Source Failure

**POWER SUPPLY** : AC 220V

**BATTERY BACKUP** : Upto 3hours

### MAIN UNIT :

Mode : Semi-open, Semi-closed or Closed  
SIMV/PC, MANUAL

**System FLOWMETER** : 5Tube Rotameter 2 Oxygen, 2 Nitrous and  
1 Air Changeover: Nitrous and Air

O<sub>2</sub> Flush: 35-75L/min

Alarm: Oxygen Failure Alarm (Audible and Visual)

Safety Valve: Protects Reverse Flow from Patient circuit towards Vaporizer

Cylinder Attachment: 2 Oxygen and 2 Nitrous

**PIPELINE ATTACHMENT** : 2 Oxygen, 1 Nitrous and 1 Air

Fitted with Oxygen Ratio Controller which ensures minimum 25% O<sub>2</sub> concentration. If Oxygen delivery is altered ORC automatically readjust proportionate delivery of N<sub>2</sub>O.

**Cylinder inlet** : 4 Forged Brass Pin Index Yokes, 2 each for O<sub>2</sub> and N<sub>2</sub>O with  
colour coded cylinder pressure gauges.

### STRUCTURE :

- Rust Proof Metal Body (GI Sheet with Powder Coating)
- 2 Drawers with Smooth Sliding Channels
- Antistatic large Castor Wheels, Front wheels with Brakes
- Space for Mounting Two Vaporizer.
- Driving Gas - Air

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# ANAESTHESIA WORKSTATION

## ANALGESIA PLUS



- 1 Flow Control **Nitro Locking System**
- 2 **Circle Absorber**
- 3 **Ventilation Mode** : Mandatory & Spontaneous
- 4 **Tec Vaporizer**
- 5 **Anaesthesia Ventilator**  
7" TFT with Touch Screen Display

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## FEATURES & SPECIFICATION:

1. **Optimum Workstation:** Three Gas anaesthesia machine  $O_2$ ,  $N_2O$  & AIR with 5 tube cascaded Rotameter Low & High flow anaesthesia gas delivery system Inter locking facility between Air &  $N_2O$  gas flow.
2. **Structure:** Made of Mild Steel multi colour Powder Coated finish, Stainless Steel table top tray, MS monitoring top tray, two sliding drawers. ANTIHYPOXIC PNEUMATIC DEVICE: Ensures no  $N_2O$  gas flow if  $O_2$  flow is lower than 0.5 ltr/min Minimum 25% (+ 5%) oxygen in surgery gas mixture. Ratio control 1:3 mixed ratio between  $O_2$  &  $N_2O$  gas flow.
3. **Gas Inlet Port:**  $O_2$  &  $N_2O$  each 2 no & AIR 1 no. Pin index gas cylinder connection for  $O_2$  &  $N_2O$  each 1 no & diameter index gas specific central pipe line connection 1no. Each for  $O_2$ ,  $N_2O$  & Air pin indexing compact yoke made of brass with stainless steel accessories.
4. **Flow Control Nitro Locking System**
5. **OFWD:** Inbuilt audio visual oxygen failure alarm.
6. **Regulators:** High efficiency forged single stage regulators.
7. **NRV:** High precision pressure relief cum non return valve.
8.  **$O_2$  FLUSH:** 35-70 LPM.
9. Change over mechanism with Open & Close Circuit interchangeable facility.  
GAUGE: Large diameter 63mm Panel Mounted cylinder pressure display gauges, 50mm diameter gas operating pressure & pipeline pressure display gauges.
10. **Gas Outlet Port:** 4 bar diameter index Oxygen outlet port for driving ventilator.



## FEATURES & SPECIFICATION:

11. **Electrical Power Point:** 6 amp three pin socket 2 nos with MCB.  
CASTOR WHEEL: Antistatic break system castor wheels.
12. **Bains Circuit Adult With APL Valve**
13. **Antistatic:** All rubber antistatic tested.
14. **Tec Vaporizer:** Agent specific pour fill Flow & temperature compensated single Tec Vaporizer with Tec Bar, Isoflurane / Sevoflurane.
15. **Circle Absorber:** Transparent single canister double chamber jar with 1800gm soda lime capacity.
16. **Anaesthesia Ventilator:** 7" TFT with Touch Screen Display,
  - A) **OPERATING MODE:** CMV, ACMV, SIMV, PLV, BAG & STANDBY
  - B) **TIDAL VOLUME:** 50-1500 ml, BPM: Breaths per min 6-40 BPM,
  - C) **SIMV RATE:** 1 to 39 BPM, I:E RATIO: 1:4, 4:1, TRIGGER: 1-9 cmH<sub>2</sub>O,
  - D) **MONITORING FACTORS:** Tidal volume, Minute volume, RR, FiO<sub>2</sub>, PEEP obtained, ALARMS: Pressure low & high, RR low & high, FiO<sub>2</sub> low & high, active patient, driving gas failure, low battery, circuit disconnect, minute volume low & high, BATTERY BACKUP: 2 hours.





## Standard Features :

- Mild Steel Powder-Coated Trolley on Castors
- Three Cylinder Capacity, Two O<sub>2</sub> & One N<sub>2</sub>O
- (10 lt Water Capacity O<sub>2</sub> Cylinder Carrier)
- Standard Two- Tube Rotameter (230mm long) for O<sub>2</sub> & N<sub>2</sub>O
- Goldman type Halothane Vaporizer (Optional)
- N<sub>2</sub>O Interlocking
- Oxygen Failure Warning Device
- Pressure Relief cum Non-return Valve with Emergency O<sub>2</sub> Flush
- Standard Magill's Breathing Circuit or Bain Circuit with ET Connector.
- Forged Regulators
- Also available in S.S Structure
- Optional Hypoxia Guard



**ANAESTHESIA MACHINE**  
**ASLEEP LIFE**

## STRUCTURE :

### Oxygen Failure Protection Device (OFPD) :

Glamatic OFPD works as a true Fail-safe system as it allows flow of Nitrous Oxide only in presence of Oxygen at Rotameter level and locks the flow of Nitrous Oxide in the absence of flow of Oxygen through its Rotameter.

### Basic Flow: (Optional) :

When Glamatic OFPD is in operation as indicated by the Audio Visual Alarm, a separate Pneumatic Circuit is activated to deliver a Basal Oxygen Flow through its Rotameter.

### Alarm :

Audio-Visual Alarm is activated if flow Oxygen falls below 1 LPM. Simultaneously, it activates a Pneumatic Circuit to lock the flow of Nitrous Oxide.

### Pneumatic Circuitry :

Completely encased, detachable Pneumatic Circuitry for easy & prompt service check-up.

### Emergency Oxygen :

Completely encased, detachable Pneumatic Circuitry for easy & prompt service check-up.

### Vaporizer : (Optional)

The Vaporizer of Halothane is supplied as standard accessory.  
Provision for incorporating Vaporizer of user's choice in the Back Bar.

### Rotameter :

230 mm long accurately calibrated Rotating Bobbin, Flow meters Oxygen: 100 ml / min to 10 LPM, Nitrous Oxide: 200 ml / min to 12 LPM

### Drawer :

Sufficient space provided in an extra-large storage drawer to accommodate all accessories.

### Table Top :

Guarded table top provided with a Stainless Steel Tray

### Instrument Tray :

Top tray provided at eye level for keeping monitoring equipments.

### Optional Accessory :

Circle Absorber System, Hypoxic Guard.

### Gas Supply Options :

Central Gas Pipe Line: Oxygen & Nitrous Oxide  
Pin-Indexed Yokes: 1 No. Each for Oxygen & Nitrous Oxide. Each Gas specific Yoke includes separate Gauge, Regulator and Mounting Hardware.  
Available S.S Structure.

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## Standard Features :

- Mild Steel Powder-Coated Trolley on Castors with Brake
- Six Cylinder Capacity, Two O2 & Two N2O 5 lt Water Capacity and Two 10 ltr
- Water Capacity Cylinder at rear
- Standard Two-Tube Rotameter (230mm long) for O2 & N2O
- Goldman type Extra Vaporizers
- Space for Two Extra Vaporizer
- N2O Interlocking (Optional)
- Oxygen Failure Warning Device
- Pressure Relief cum Non-return Valve
- Changeover Unit with Emergency O2 Flush
- Standard Magill's Breathing Circuit
- Input Regulators and Yoke Assembly
- Self-Sealing type O2 Outlet at 60 psig
- Optional Circle absorber & Hypoxia Guard



## ANAESTHESIA MACHINE ASLEEP LIFE PLUS

## STRUCTURE :

### Oxygen Failure Protection Device (OFPD) :

Glamatic OFPD works as a true Fail –safe system as it allows flow of Nitrous Oxide only in presence of Oxygen at Rotameter level and locks the flow of Nitrous Oxide in the absence of flow of Oxygen through its Rotameter.

### Basic Flow: (Optional) :

When Glamatic OFPD is in operation as indicated by the Audio Visual Alarm, a separate Pneumatic Circuit is activated to deliver a Basal Oxygen Flow through its Rotameter.

### Alarm :

Audio –Visual Alarm is activated if flow Oxygen falls below 1 LPM. Simultaneously, it activates a Pneumatic Circuit to lock the flow of Nitrous Oxide.

### Pneumatic Circuitry :

Completely encased, detachable Pneumatic Circuitry for easy & prompt service check-up.

### Emergency Oxygen :

Completely encased, detachable Pneumatic Circuitry for easy & prompt service check-up.

### Vaporizer :

The Vaporizer of Halothane is supplied as standard accessory.  
Provision for incorporating Vaporizer of user's choice in the Back Bar.

### Rotameter :

230 mm long accurately calibrated Rotating Bobbin, Flow meters Oxygen: 100 ml / min to 10 LPM, Nitrous Oxide: 200 ml / min to 12 LPM

### Drawer :

Sufficient space provided in an extra-large storage drawer to accommodate all accessories.

### Table Top :

Guarded table top provided with a Stainless Steel Tray

### Instrument Tray :

Top tray provided at eye level for keeping monitoring equipments.

### Optional Accessory :

Circle Absorber System, Hypoxic Guard.

### Gas Supply Options :

Central Gas Pipe Line: Oxygen & Nitrous Oxide  
Pin-Indexed Yokes: 1 No. Each for Oxygen & Nitrous Oxide. Each Gas specific Yoke includes separate Gauge, Regulator and Mounting Hardware.  
Available S.S Structure.

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## Standard Features :

- Mild Steel Powder-Coated Trolley or Compact Cover on Castors with Brake
- Stainless Steel table top tray
- Six Cylinder Capacity, Two O2 & Two N2O 5 lt Water Capacity and Two 10lt Water Capacity Cylinder at rear
- Standard Two-Tube Rotameter (230mm long) for O2 & N2O
- Goldman type Extra Vaporizers ( Optional )
- Space for Two Extra Vaporizers ( Optional )
- NO Interlocking
- 5" dia breaking caster wheels
- Oxygen Failure Warning Device
- Pressure Relief cum Non-return Valve
- Changeover Unit with Emergency O2 Flush
- Standard Magill's Breathing Circuit
- Rubber components antistatic tested
- Forged Regulators and Yoke Assembly
- Self-Sealing type O2 Outlet at 60 psig
- Oxygen outlet for driving ventilator (Double manifold)
- 230mm long R/M Tube O2 & N2O with Hypoxia Guard
- Provision for - Tec Vaporizer & 10 Litre w/c cylinder carrier
- Two central gas pipe line provision for
- (O2 & N2O one number each at rear side)
- Optional Circle absorber

## ANAESTHESIA MACHINE ANALGESIA LIFE



## STRUCTURE :

### Oxygen Failure Protection Device (OFPD) :

Glamatic OFPD works as a true Fail -safe system as it allows flow of Nitrous Oxide only in presence of Oxygen at Rotameter level and locks the flow of Nitrous Oxide in the absence of flow of Oxygen through its Rotameter.

### Basic Flow: (Optional) :

When Glamatic OFPD is in operation as indicated by the Audio Visual Alarm, a separate Pneumatic Circuit is activated to deliver a Basal Oxygen Flow through its Rotameter.

### Alarm :

Audio -Visual Alarm is activated if flow Oxygen falls below 1 LPM. Simultaneously, it activates a Pneumatic Circuit to lock the flow of Nitrous Oxide.

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## ANAESTHESIA VENTILATOR



### SPECIFICATION :

- 7" Touch Screen Display
- Modes: VC, PC, SIMV
- Tidal Volume: 50-1500
- Frequency: 6-40 bpm
- IE Ratio: 4:1 - 1:4
- ALARM: High Pressure, Low Pressure and Source Failure.
- POWER SUPPLY: AC 220V





## SUCTION MACHINE 1 HP

### TECHNICAL SPECIFICATIONS :

- Anti corrosive Chassis & Stainless Steel Top.
- Noise level of suction apparatus from is 50 dB +/-03 dB
- Leakage current of suction units is less than 84 A
- Electrical Requirement - 220-230 V, 50HZ, 1Phase
- Ideal for MTP / medical / surgical procedures
- Rotary Vane Type Vacuum Oil Pump with -740 +/- 10mm Hg
- Free air displacement 60 - 80 ltrs/min
- Heavy duty HN-65 antistatic castors
- 350 Watt 1440 RPM, 1 H.P. Electric Motor, 100 mm Vacuum Gauge
- 2 X 2.0 Ltrs. Glass jars with overflow safety
- Bacterial filter fitted on top
- Motor 1 H.P

### SALIENT FEATURES :

High Powered & Fast Vacuum Build/ip

Finely Regulable 0-700mm Hg vacuum-easy to read off

Duty safety system : Overflow check valve and removable

Filter to protect the pump from entrained moisture

Automatic inbuilt lubrication system for noiseless and trouble free performance

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## ELECTRIC SUCTION MACHINE 1/2 HP



This type of electric suction apparatus adopts completely plastic panel design, which makes it more fancy and fashionable.

The device of intercepting oil for circumfluence can reduce the oil pollution. Easy to carry, low noise, high negative pressure and large flux. It can be widely applied in the surgical operations which need to absorb phlegm, thick liquid etc.

**-Oil-free pump -Convenient - no need to add oil for maintenance**

**-Clean - no pollution of oil -Safe - no positive pressure during using**



### TECHNICAL DATA :

Power Voltage: AC220V 22V, 50Hz  $\pm$ 1Hz  
Operation noise:  $\leq$  65 dB (A)  
Pumping frequency:  $\geq$  20L/min

Max negative pressure:  $\geq$  90kPa  
Input power: 180VA  
Reservoir capacity: 2500mL/pc, 2pieces

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## SUCTION MACHINE 1 / 4 HP



### SPECIFICATIONS :

- Power Voltage : AC220V 22V, 50Hz  $\pm$ 1Hz
- Max Negative Pressure : > 0.075
- Noise : < 60 db (A)
- Input Power: < 90 VA
- Flow Rate: >18L/min
- Jars Capacity: 1000mL/pc, 1 Pieces

## POWER LED PHOTO THERAPY

### SINGLE SURFACE WITH TROLLEY UST



#### FEATURES :

- 18nos 3W High Intensity 450nm LEDS for Phototherapy.
- 5 Levels of intensity control from 20uW/cm<sup>2</sup>/nm to 45 uW/cm<sup>2</sup>/nm
- Built in white Examination Light.
- Manual and Program Modes
- Total Time , Treatment Time logging
- User Friendly LCD Display

#### SPECIFICATIONS :

- Operating Voltage : 220V AC Mains Single Phase
- Power Consumption : Max 60 Watts
- Intensity Control : Yes (5 levels)
- Therapy light intensity : 20uW/cm<sup>2</sup>/nm to 45uW/cm<sup>2</sup>/nm adjustable
- Examination Light : Yes (6 watts)

### DOUBLE SURFACE WITH TROLLEY UST



#### FEATURES :

18 Pc. Hi power LED provides to cover the bed area and for effective Phototherapy treatment. No ultraviolet rays ensures minimize the UV exposures. No infrared rays ensures minimize the water loss. Adjustable Height - Conveniently allows you to control Radiance levels on the neonate and different types of cradle. Convenient Tilting of Source Unit, Height Adjustment with Single hand and Castor with elegant maneuvering helps to place the system at different positions, at user convenience. Lamp usages hours greater than 45,000 hours ensure no need of frequent change of lamp.

#### SPECIFICATIONS :

- Time Totalizer (Optional).
- Power LED's emitting blue light in 450 - 470 HM.
- Long Life > 45,000 hrs.
- Intensity: >25 μw / cm<sup>2</sup> / HM
- M.S. Fabrication with powder coated paint.
- Operation Voltage: 100-250 V AC, 50Hz.

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## OPERATING MODES :

### Skin Mode :

In Skin mode heater power is controlled with reference to Skin probe. In case when the temperature exceeds Max ( 38 °C or 101 °F) in any probe Heater is turned off.

### Air Mode :

In Air mode heater power is controlled with reference to Air probe. In case when the temperature exceeds Max ( 38 °C or 101 °F) in any probe Heater is turned off.

### Manual Mode :

In manual mode user can control heater manually. In this mode user can adjust heating speed (0 to 8 speed) and set timer upto 59min. With probes installed when the temperature exceeds Max ( 38 °C or 101 °F) in any probe Heater is turned off. Special attention is needed while operating without probes.

## DISPLAY INDICATION :

### LCD :

- LCD displays the following information.
- I. Current Mode
- II. Heating speed
- III. Alerts: Low Temp, High Temp, Probe fail
- IV. Settings: Set Temp, Low Alarm, High Alarm, Manual mode timer, Calibration,
- Product branding
- V. APGAR timer

### Alerts :

Power fail: Power fail indicator turns ON with sound alert (cannot be muted).  
 Probe fail: Probe fail indicator turns ON with sound alert (can be muted).  
 Displays "-.-" on temp display. Heater overload: Heater overload indicator turns ON.  
 Low temperature: Low alarm indicator turns ON with sound alert (can be muted).  
 Displays blinks. High temperature: High alarm indicator turns ON with sound alert (can be muted). Displays blinks. Manual mode Time out: Short sound alert and timer flashing on LCD.

### Important Instructions :

We recommend that you read the following instruction carefully, before using the machine/Equipment  
 Supply voltage should be between 220V-240V 50Hz.  
 Do not use the machine/Equipment when the mains cord, the plug or other components are damaged.  
 The machine/Equipment should be handled by authorized person only.  
 Do not clean machine/Equipment with water or other cleaning liquid.  
 Check heater and probe before using the machine.  
 Do not leave baby unattended for long intervals.  
 We recommend to use 650W heater.  
 New probes or replacement probe should be calibrated before use..

## INFANT BABY WARMER



## How to use :

Machine can operates in 3 different modes skin, air and manual mode. By pressing 'MODE' switch user can change mode.

### Skin Mode :

In this mode machine controls heater speed to maintains skin temperature around set temperature automatically. User can set skin temperature by pressing 'SET' switch, it will display current set skin temperature on LCD.

Using 'UP' and 'DOWN' Switch to adjust set temp. Press 'ENTER' switch to confirm.

Next it will ask for low temp alarm, if temp reaches below set low temp then low temperature alert will trigger.

Next it will ask for high temp alarm, if temp exceeded set high temp then high temperature alert will trigger. User can mute sound alerts by pressing 'MUTE' switch

**Note: In this mode Machine will only start heater when probes are connected.**

### Air Mode :

In this mode machine controls heater speed to maintains air temperature around set temperature automatically.

User can set air temperature by pressing 'SET' switch, it will display current set air temperature on LCD.

Using 'UP' and 'DOWN' Switch to adjust set temp. Press 'ENTER' switch to confirm.

Next it will ask for low temp alarm, if temp reaches below set low temp then low temperature alert will trigger.

Next it will ask for high temp alarm, if temp exceeded set high temp then high temperature alert will trigger. User can mute sound alerts by pressing 'MUTE' switch.

**Note: In this mode Machine will only start heater when probes are connected.**

### Skin Mode :

In this mode user can control heating speed of heater manually. When user enters in manual mode a timer starts decrementing. After timer reaches 0 min machine turns OFF the heater and notifies with short sound alert.

User can adjust heating speed by 'UP' and 'DOWN' switches. Heating speed is indicate by heater indicator.

User can change time by pressing 'SET' switch, it will display current set time on LCD. Using 'UP' and 'DOWN' Switch time can be adjust between 1min to 59 min. Press 'ENTER' switch to confirm.

This mode can work without temperature probes.



## INFANT BABY WARMER

**Warning: Special attention is needed while operating without probes.**

**Note: In this mode if probes are connected, machine will automatically turn OFF heater after temp exceeds max temp (38 °C or 101 °F)**

### Calibrate probes :

To calibrate probe press and hold 'UP' and 'DOWN' switches until calib password is displays on LCD. Enter 4digit Password for verification which can be enter with help of 'UP', 'DOWN' & 'ENTER' switches. (Password is provided by manufacturer) After password successful confirmed, with 'UP' & 'DOWN' switches user can set actual skin and air temperature by comparing with external temperature meter. Press 'ENTER' to confirm.

**Note: Calibrate only works when probe is connected to machine and temperature is displays on 7 segment display.**

### Change Temp unit (°C to °F) :

- Turn OFF the machine.
- Turn ON the machine while holding 'Enter' and 'MODE' switches.
- Keep holding both switches until °F indicator is turn ON.

## INFANT BABY **WARMER**

### NEONATAL PULSE OXIMETER/OPTIONAL :

Display 2" colour TFT	
SpO2 measurement range	35%~100%
SpO2 measurement Accuracy	±2% (70% ~100%)
SpO2 resolution	1%
PR measurement range	30~250bpm
PR measurement Accuracy	The greater of +2bpm
PR resolution	1%
Low perfusion performance	<b>0.025%</b> Oximeter accuracy of ±2% and pulse rate accuracy of ±2bpm under 0.025% weak perfusion conditions
Anti-motion interference performance	SpO2 measurement accuracy ±3% and pulse rate measurement accuracy ±4bpm at 0-4Hz, 0-3cm random motion or fixed frequency motion
Breathing measurement	Optional
Initial output time	4s
Probe off detection	Yes
Probe failure detection	Yes
Perfusion Index	0.02%~20%
Pulse wave	Yes
Board size	32mm*18mm*3mm
Wiring methods	Pad
Power supply	5V DC
Power consumption	<15mA
Application	Adult / Pediatric / Neonatal
Work environment	temperature: 0~40°C, humidity: 15%~95% atmospheric pressure : 79.5kPa~107.4kPa
Storage environment	temperature: -20~60°C, humidity: 15%~95% <b>Non-condensing</b> atmospheric pressure: 79.5kPa~107.4kPa

## WARMER WITH PHOTOTHERAPY

### ELETRICAL SPECIFICATION :

- Operating Voltage - 240v AC~, 50 Hz, Single phase
- Ceramic Heater placed in a parabolic reflector - 640w
- Observation lamp - LED based lamp
- Main supply Fuse - 4A
- Observation Lamp Fuse - 1A
- Power consumption (Max) - 800w

### SKIN TEMPERATURE PROBE :

- Display Range - 15°C to 40°C
- Accuracy - +/- 0.2C
- Resolution - 0.1°C
- Probe Interchangeability - +/-0.2°C
- Infant Set Temperature range (Servo Mode) - 32°C to 38° C
- Heater output control range (Manual Mode) - 0% to 100% (in 10% increments)
- Heater life time - 12 months

### ALARMS :

**Audio and visual alarm** - High infant temperature

- Low infant temperature
- Probe failure
- Heater failure
- Power failure
- System failure
- Over temperature

### PHYSICAL DIMENSIONS :

**Depth** - 900 mm

**Width** - 890 mm

**Height** - 1900 mm

**Infant Bed** - Round shaped bed

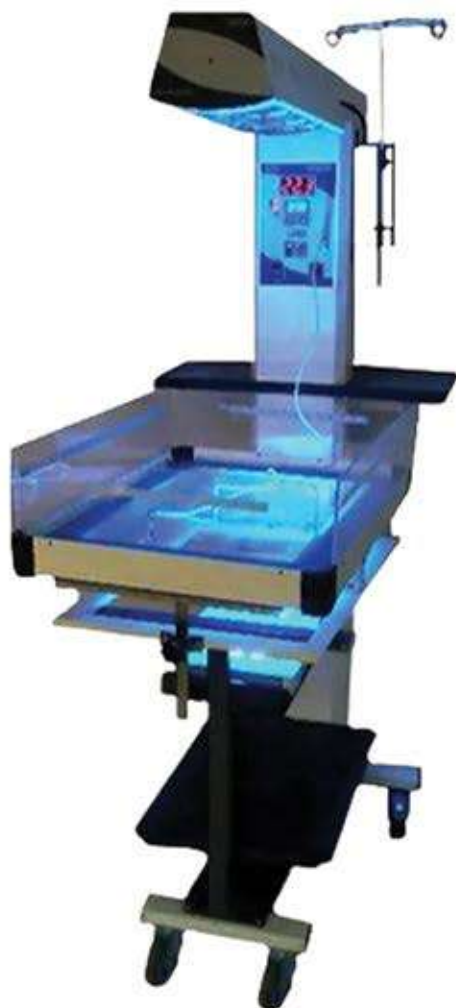
**Infant bed dimensions** - 3inch Up & Down

**Bed tilting at desired angle** - 900 mm

**X-Ray Provision** - Provision to take X-ray with the help of h portable machine without shifting the baby

**Heater swiveling** - Provide the rotation of the heater without disrupt the infant while taking the x-ray

**Mobile Castors** - 100 m (4") with 2 brakes



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## BLOOD & INFUSION WARMER

- Small design, user-friendly
- Long, Middle, Short heating groove
- C° and F unit convert
- 2-mins fast heating to the set temp.
- Various temp. control protection technology
- 35-42 C°heating range

### TECHNICAL SPECIFICATION :

Item	Specification
Temperature Setting	°C 35°C-42°C; °F: 95.0°F-107.6°F
Temperature Accuracy	°C: ±1°C; °F: ±1.8°F
Increment	°C: 0.1°C ; °F 0.2°F
Optional unit	°C/°F
Warming Up time	<=2min
Overheat Protection	46°C
Alarm	Overheat, low temperature, system error, door open, warming up alarm.
Display	LED
Power Supply	Input: 100-240V (AC Power) , 50/60HZ,0.3-0.7A Output: 12V (DC Power) 2.5A
Power Consumption	85VA
Operation Environment	Temp.: +5°C+30°C Relative Humidity: 20%-80% Atmosphere: 76.0kPa-106.0kPa
Transportation and Storage Environment	Temp.: +5°C+30°C Relative Humidity: 20%-80% Atmosphere: 76.0kPa-106.0kPa
Degree of protection against ingress of liquids	IPX1
Dimension	180x70x35 mm
Weight	Without Knob: 0.2kg ; With Knob: 0.4kg

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## BUBBLE CPAP

### UNIQUE FEATURES :

It is based on the usual concept of providing CPAP by maintaining a continuous flow of blended gas in the patient circuit and exiting through a water column. Blending of air and oxygen is done by an electronic blender with a digital display. Most importantly, air is supplied by a Air Compressor

The unit comes in all-in-one pack comprising of the Air Compressor, electronic blender, flow controller, servo controlled humidifier, heated breathing circuit, patient manifold and the pressure generator.





## BUBBLE CPAP

### TECHNICAL SPECIFICATION :

Clinical application	Its primary purpose is to maintain or assist the patient's breathing when they are unable to do so effectively on their own CPAP units deliver air or a mixture of air and oxygen (O <sub>2</sub> ) at high flow rates through tubing to a nasal or oral-nasal mask which is affixed to the patient's face
Modes	Bubble CPAP
Type of Technology	Air Compressor
CPAP	1 to 10 cmH <sub>2</sub> O
Increments of variations in CPAP	1 cm
Air oxygen blender	In built
FiO <sub>2</sub> with tolerance (+/- 2 %)	21% to 100% (+/- 2 %)
Flow range	0 -30 L/min
Humidifier	Heated wire servo controlled humidifier
Display of temperature	Near patient end of the circuit
Water chamber	1 numbers Reusable water chamber
Heated wire silicone tubing circuit for infant/Newborn	1 numbers Reusable Silicon
Pressure release valve	15cmH <sub>2</sub> O to 17cmH <sub>2</sub> O
Weight in kg	30 kg
Noise level in dB	65
Alarms	Audio alarm
Alarm sound level in dB	65
Patient Interface	Nasal Prongs
Air and O <sub>2</sub> hose length	> 3 m
Power Supply	230 V, 50 Hz, Single phase
Standards	ISO 13485:2016
Conformity to electrical safety standards	IEC 60601-1-2:2007, IEC 60601-1-8-2006: IEC 60601-1



## FETAL DOPPLER

### Product introduction :

This instrument is a high-performance fetal heart rate test instrument for the detection of fetal heart rate. This instrument consists mainly of main engine and ultrasonic doppler probe.

### Product Features Function :

Different models have different features as follows.

Function	FD66	FD66+	FD56	FD56+
Display	B/W	Colour	B/W	Colour
Back light	Yes	Yes	Yes	Yes
Build-in speaker	Yes	Yes	Yes	Yes
Battery indicator	Yes	Yes	Yes	Yes
Auto power off	Yes	Yes	Yes	Yes
Alkalinity battery	Yes	Yes	Optional	Optional
Ni-MH battery	Optional	Optional	Yes	Yes
Adapter	No	No	Optional	Optional
USB charging line	No	No	Optional	Optional
Earphone	Optional	Optional	Optional	Optional
2.0MHz probe	Optional	Optional	Optional	Optional
3.0MHzprobe	Optional	Optional	Optional	Optional
Infrared temperature	Optional	Optional	Optional	Optional
3.0MHzprobe	Optional	Optional	Optional	Optional

### 3.3 Intended use :

This instrument can be used by nurses, midwives, and professionals in hospitals, clinics, communities and homes to monitor the heart rate. 2.0MHz. 3MHz The probe is used for the detection of fetal heart rate.

### 3.4 The standard configuration

The host 1 pcs

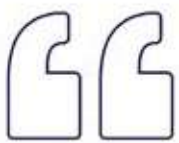
Probes 1 pcs

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## Electro Surgical Cautery



### Digital Models

**Glamatic's** new microprocessor based electro surgical units are available in market with outstanding performance of monopolar (cut & Coag) & Bipolar. In many types of surgery where high precision & reliability are essential, microprocessor control provides the user safety & performance during surgery.

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## Salient Features

1. Display : 7 segment LED
2. Dimension : 290 Mm X 105 Mm X 260 MM
3. Weight : 4 Kg
4. Keyboard : Feather touch
5. Input Supply Voltage : 230Vac +15%@50/60HZ

01

**Model :**

**SMOOTH  
400**



## MONOPOLAR MODE

### CUT

MODE	PROGRAMS	POWER	LOAD	OPERATING FREQ
PURE	99	400 W	500Ω	480 khz
BLEND 1	99	250 W	500Ω	480 khz
BLEND 2	99	200 W	500Ω	480 khz
ENDOCUT	99	99%	500Ω	480 khz

## MONOPOLAR MODE

### COAG

MODE	PROGRAMS	POWER	LOAD	OPERATING FREQ
SPRAY	99	120 W	500Ω	480 khz
FULGURATE	99	150 W	500Ω	480 khz
DESICCATE	99	150 W	500Ω	480 khz

### BIPOLAR MODE

MODE	PROGRAMS	POWER	LOAD	OPERATING FREQ
SOFT	99	80 W	300Ω	480 khz
FORCE	99	80 W	300Ω	480 khz
CUT	99	100 W	300Ω	480 khz

## Standard Accessories



CHUCK HANDLE  
WITH **ELECTRODES**



BIPOLAR FORCEP  
WITH **CABLE**



SILICON **PATIENT**  
**PLATE WITH CORD**





**MONOPOLAR / BIPOLAR  
FOOT SWITCH**



**DISPOSABLE HAND  
SWITCH PENCIL**

**\*ALSO AVAILABLE IN 250 WATT & 300 WATT**

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## Electro Surgical Cautery

**Model : SMOOTH 400 PLUS**



### Safety Features

1. Protection Class According to EN 60601-1
2. Body Protected and cardiac protected design
3. HF Leakage current < 150mA
4. Patient Plate Monitoring System



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**Glamatic's new SMOOTH 400 PLUS** plus is the most versatile **Electro Surgical Generator**. It offers features and performance, never before available in a single generator.

The **SMOOTH 400 PLUS** has spray and coagulation which rivals the best spark gap generators and with minimum cutting effect. The blend gives a good Hemostasis effect than cutting and pure cut is exceptionally smooth and starts promptly even in irrigated procedures.

The isolated bipolar output, which has a non-sparking characteristic, is ideal for microsurgery, Neuro Surgery, Laproscopy and other applications. **SMOOTH 400 PLUS** plus meets the surgeon's needs in the wide range of general procedures and in specialties including Gynecology, Urology, Neurology, Thorasic, Plastic and Reconstructive Surgery.

## Product Features

01

### CUT MODE

**PURE** - A high-frequency alternating current yields smooth, rapid cuts that evoke little to no hemostasis.

**BLEND 1** - Preset blended cut modes give the surgeon varying degrees of hemostasis in cut mode.



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**BELND 2** - The mode is used for the vaporization of prostatic tissue or any fat tissue. The higher output wattage gives fast cutting effect of the tissue

**ENDOCUT** - The mode is used to automatically control cut system to reduce the complication rate of endoscopic sphincterotomy (EST) & serum hyperamylasemia after EST compared to the conventional blended cut mode.

## 02

### COAG MODE

**SPRAY** - Spray output is made for direct coagulation at the tissue with spark. This spark does not give any cutting effect as its crest factor is high.

**FORCE** - This mode is a greater degree of homeostasis and covers all demands of standard coagulation. This produce the fine tune waveform that creates superficial resistance in the tissue resulting in superior coagulation where the tissue destroyed by hyper evaporation.

**FULGURATE** - Sparking the tissue to lead to coagulation. There is no tissue-electrode contact; rather, voltage is raised in order to incite a spark between electrodes in order to coagulate the tissue in between.

**DESICCATE** - Coagulation in which the active electrode is in direct contact with the tissue is referred to as desiccation and is the type of coagulation used in most surgeries It ensures pinpoint desiccation with less destruction of peripheral tissue.

## 03

### BIPOLAR MODE

**SPRAY** - High Voltage force coagulation for special purpose when speed is required.

**MACRO** - For highly precise control over coagulation process and privations of carbonization.

**CUT** - This Bipolar CUT technology nearly eliminate excessive current, even during precision cutting in minute tissue structure.

**AUTO** - Coagulation start by pressing the footswitch and stops output and audio signal automatically when the tissue is coagulated.

## Salient Features

1. 99 User settable program mode
2. Frequency : 480khz
3. Display : 7 segment LED
4. Net Weight (Inc Accessories): 8.5 Kg
5. Dimension: 410 mm (L) x 355 mm (W) x 155 mm (H)
6. Input Supply Voltage 110V/230 VAC (+/-15%) 50Hz
7. Separates Monopolar & Bipolar foot switches

## Standard Accessories



CHUCK HANDLE  
WITH **ELECTRODES**



BIPOLAR FORCEP  
WITH **CABLE**





**MONOPOLAR / BIPOLAR  
FOOT SWITCH**



**DISPOSABLE HAND  
SWITCH PENCIL**



**SILICON PATIENT PLATE WITH CORD**

## Technical Specification

CUT			
MODE	MAX POWER	LOAD	CREAST FACTOR
PURE CUT	400 W	300Ω	1.5
BLEND 1	250W	300Ω	1.5
BLEND 2	200W	300Ω	1.5
ENDOCUT	99%	300Ω	1.5

## COAG

MODE	MAX POWER	LOAD	CREAST FACTOR
SPRAY	120 W	300Ω	7
FORCE	120W	300Ω	6.5
FULGURATE	150W	300Ω	6
DESICCATE	150W	300Ω	6

## BIPOLAR

MODE	MAX POWER	LOAD	CREAST FACTOR
MICRO	80 W	100Ω	1.5
MACRO	80W	100Ω	1.5
CUT	100W	100Ω	1.5
AUTO	100W	100Ω	1.5



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## Electro Surgical Cautery

**Model : BROW**



### Safety Features

1. Protection Class According to **EN 60601-1**
2. Body Protected and cardiac protected design
3. HF Leakage current **<150mA**
4. Patient Plate Monitoring System

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**Glamatic's** innovative model of ESU **BROW** is design to provide a safe, userfriendly generator to meet all types of surgery procedure performance demands. **Glamatic** incorporates automatic safety features into the **BROW** like self-test circuits, audible tones, discreet outputs, isolated circuitry, and patient plate monitoring.

**Glamatic BROW** gives the surgeon a multipurpose generator to be used in the modern surgi-center. It has multipal output of monopolar, bipolar, vessel sealing and saline turp functions and will satisfy a multitude of surgical requirements while staying safe, flexible, convenient, and affordable. and had become a popular choice among surgeons for in-office procedures.

## Product Features

01

### CUT MODE

**PURE CUT** - A high-frequency alternating current yields smooth, rapid cuts that evoke little to no hemostasis.

**BLEND 1** - Preset blended cut modes give the surgeon varying degrees of hemostasis in cut mode.



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**BELND 2** - The mode is used for the vaporization of prostatic tissue or any fat tissue. The higher output wattage gives fast cutting effect of the tissue

**ENDOCUT** - The mode is used to automatically control cut system to reduce the complication rate of endoscopic sphincterotomy (EST) and serum hyperamylasemia after EST compared to the conventional blended cut mode.

## 02

### COAG MODE

**SPRAY** - Spray output is made for direct coagulation at the tissue with spark. This spark does not give any cutting effect as its crest factor is high.

**FORCE** - This mode is a greater degree of homeostasis and covers all demands of standard coagulation. This produce the fine tune waveform that creates superficial resistance in the tissue resulting in superior coagulation where the tissue destroyed by hyper evaporation.

**FULGURATE** - Sparking the tissue to lead to coagulation. There is no tissue-electrode contact; rather, voltage is raised in order to incite a spark between electrodes in order to coagulate the tissue in between.

**DESICCATE** - Coagulation in which the active electrode is in direct contact with the tissue is referred to as desiccation and is the type of coagulation used in most surgeries It ensures pinpoint desiccation with less destruction of peripheral tissue.

03

## BIPOLAR & SEAL

**BI-COAG** - For highly precise control over coagulation process and privations of carbonization.

**BI-CUT** - Bipolar CUT technology lets you nearly eliminate excessive current, even during precision cutting in minute tissue structure.

**SEAL** - Mode provides unique combination of pressure & energy to create vessel fussion, leaving no foreign material behind. Easemed designed special feature that seal as well as cut simultaneously used with help of sealer instrument using programme 5 & 6 for surgery.

**Bipolar TURP** - The advantage of **bipolar TURP** is that saline can be used during the procedure which is much safe option, virtually eliminating the risk of TURP syndrome as a result, larger and more complicated prostate gland can be treated with Bipolar TURP mode.

### Salient Features

1. 99 User settable program mode
2. Frequency : 480khz
3. Display : 7 segment LED
4. Frequency - 1 Mhz (Seal Mode)
5. Input Supply Voltage - 100 V / 230 VAC (+/-15%) 50 Khz

## Standard Accessories



CHUCK HANDLE  
WITH **ELECTRODES**



BIPOLAR FORCEP  
WITH **CABLE**



MONOPOLAR / BIPOLAR &  
SEAL DOUBLE PEDAL  
**FOOT SWITCH**



DISPOSABLE HAND  
**SWITCH PENCIL**



SILICON **PATIENT PLATE** WITH **CORD**

## Technical Specification

### CUT

MODE	MAX POWER	LOAD	CREAST FACTOR
PURE CUT	400 W	300Ω	1.5
BLEND 1	250W	300Ω	1.5
BLEND 2	200W	300Ω	1.5
ENDOCUT	99%	300Ω	1.5

### COAG

MODE	MAX POWER	LOAD	CREAST FACTOR
SPRAY	120 W	300Ω	7
FORCE	120W	300Ω	6.5
FULGURATE	150W	300Ω	6
DESICCATE	150W	300Ω	6

### BIPOLAR

MODE	MAX POWER	LOAD	CREAST FACTOR
BI-COAG/MICRO	80 W	100Ω	1.5
BI-CUT/MACRO	80W	100Ω	1.5
AUTO	100W	100Ω	X
SEAL	150W	100Ω	1.5
SALINE CUT	300W	100Ω	1.5
SALINE COAG	150W	100Ω	



## Electro Surgical Cautery

Model : **STEREO LID**



New Improved  
& Safe **Monopolar**  
with **Vessel Sealing**

### Safety Features

1. Protection Class According to EN 60601-1
2. Body Protected and cardiac protected design
3. HF Leakage current <150mA
4. Patient Plate Monitoring System

[glamaticpharma.com](http://glamaticpharma.com)



Electrosurgical vessel sealing is a specialized system developed by **Glamatic's** for minimal access and open surgery. This technology can facilitate a range of minimal access surgical procedures, helping to meet government objectives of reduced length of stay for patients in hospital. Each of these devices comprises an electrosurgical unit (**ESU**) with a high power and low voltage bipolar mode and specialist instruments that combine tissue compression with tissue heating to produce haemostasis in arteries, veins or a bundle of tissue. This is a technology which is different from conventional diathermy and provides a unique combination of pressure and energy to create vessel fusion and permanently fuses vessels up to and including 7 mm in diameter and tissue bundles, without dissection or isolation.

An optimized combination of pressure and energy creates the seal by melting the collagen and elastin in the vessel walls and reforming it into a permanent, plastic-like seal and results in virtually no sticking or charring. It does not rely on a proximal thrombus. Feedback-controlled response system automatically discontinues energy delivery when the seal cycle is complete, eliminating the guesswork.



[glamaticpharma.com](http://glamaticpharma.com)



## Product Features

### 01

#### CUT MODE

**PURE** - A high-frequency alternating current yields smooth, rapid cuts that evoke little to no hemostasis.

**BLEND 1** - Preset blended cut modes give the surgeon varying degrees of hemostasis in cut mode.

**BLEND 2** - The mode is used for the vaporization of prostatic tissue or any fat tissue. The higher output wattage gives fast cutting effect of the tissue

**ENDOCUT** - The mode is used to automatically control cut system to reduce the complication rate of endoscopic sphincterotomy (EST) and serum hyperamylasemia after EST compared to the conventional blended cut mode.

### 02

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## 03

### BIPOLAR MODE

**BI-COAG** - for highly precise control over coagulation process and privations of carbonization

**BI-CUT** - Bipolar CUT technology lets you nearly eliminate excessive current, even during precision cutting in minute tissue structure.

**AUTO** - coagulation start by pressing the footswitch and stops output and audio signal automatically when the tissue is coagulated

**SEAL** - This mode provides unique combination of pressure & energy to create vessel fussion, leaving no foreign material behind. Easemed designed special feature that seal as well as cut simultaneously used with help of sealer instrument using programme 5 & 6 for surgery.



## Salient Features

1. 99 program modes : User settable program mode
2. Frequency : 480khz (Monopolar)
3. Frequency - 1 Mhz (Seal Mode)
4. Display - 7 Segment LED
5. Weight - 7.5 Kg. (Approx)
6. Dimension - L 440 (mm) x W 355 (mm) x H 155 (mm)
7. Input Supply Voltage - 110V / 230 VAC (+/-15%) 50 Khz
8. Separates **Monopolar** & **Bipolar** / Seal foot-switches

## Standard Accessories



CHUCK HANDLE  
WITH **ELECTRODES**



BIPOLAR FORCEP  
WITH **CABLE**



**MONOPOLAR / BIPOLAR  
FOOT SWITCH**



**DISPOSABLE HAND  
SWITCH PENCIL**



**PATIENT PLATE WITH CORD**

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## PROBE & ACCESSORIES

### SpO2 Probe



Adult Finger Clip Type  
Envitec Shell



Adult Finger Clip Type  
Nellcor Shell



CB Make Finger Clip



Pediatric Clip Type



Pediatric Soft Rubber



Fixed Neonate Wrap

### NIBP Cuffs

#### Reusable

Available in Single Tube / Double Tube



Patient Type	Arm Circumference
Adult	27-35 cm
Adult	25-35 cm
Paediatric Regular	18-26 cm
Paediatric Small	14-21 cm
Infant Regular	10-19 cm
Infant Small	09-14 cm
Neonate Regular	07-13 cm
Neonate Small	06-11 cm
Extra Large Adult	33-47 cm
Thigh	46-66 cm



## PROBE & ACCESSORIES

### NIBP Cuffs

#### Disposable



Patient Type	Arm Circumference
Size 1	03 - 06 cm
Size 2	04 - 08 cm
Size 3	06 - 11 cm
Size 4	07 - 13 cm
Size 5	09 - 14 cm

### Temperature Probes



Adult / Paediatric Skin  
Type Available



Adult / Paediatric Rectal /  
Esophageal Type Available

### ECG Lead



Medico Lead Lock  
0.5 Adult



Vimed Adult



Swaromed



Cardioart Hydrogel



ECG & MRI  
Compatible

## PROBE & ACCESSORIES

### ECG Lead



Promptcare make  
Adult Solid Gel



Promptcare make  
Adult Hydrogel



Promptcare make  
Adult Hydrogel



F-9058N-Neonate  
Electrode with wire

### ECG Roll



ECG Recording Paper Roll Type / 'Z' Fold  
Type All Sizes Available



TYPE V Alpha Paper



Sony Ultrasound Paper  
Type V & Type I

### Humidifier Bottle



### Test Lungs



Adult - 1 Ltr



Pediatric 50 ml



Neonatal - 25 ml

## PROBE & ACCESSORIES

### Bains Circuit



### Flow Meter



### Bipap Mask



### Ambu Bag



Adult



Child



Infant

### Patient Circuit



Reusable Ventilator  
Circuit Adult 2 Limb



Reusable Ventilator  
Circuit Adult 2 Limb



Reusable Ventilator  
Circuit Adult 2 Limb



Reusable Ventilator  
Circuit Adult 2 Limb



## PROBE & ACCESSORIES

### Laryngoscope



Laryngoscope with Macintosh Blades



Laryngoscope with Miller Blade



Fiber Optic laryngoscope Mac Balde



Fiber Optic Trupty Laryngoscope Mac Blade

### Glucometer



### Warmer Heater



### Fogger Liquid



### Warmer Temperature Probe



### Diathermy Foot Switcher



### Diathermy Probe





## PROBE & ACCESSORIES

### Suction Machine Glass Jar, Plastic Jar, Filter



### Suction Machine Pipe



### Mox Regulator



F/A Valve with Gauge, Gauge Saver & Flow Meter

### Monitor Stand



Variable Height  
Variable Angle



Variable Height  
Fixed Plate



Fixed Height Variable Angle



Fixed Height Fixed Plate

### Pulse Oximeter



## CERTIFICATION



# CERTIFICATION



## CERTIFICATION





## Business Associates



## Note



Handwriting practice area with 15 horizontal dashed lines.

## Togetherness is Strength



The Strength Of The Team Is Each Individual Member.  
The Strength Of Each Member Is The Team





# Glamatic<sup>TM</sup>



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Taratala, Kolkata, West Bengal 700088

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contact@glamaticpharma.com



[www.indiamart.com/glamatic-pharmaceuticals](http://www.indiamart.com/glamatic-pharmaceuticals)

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from the actual product

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