G3N New

Multi-Parameter Patient Monitor

12.1'' Flat panel TFT display

Character

- Low-power consumption design with standby mode, rechargeable high-energy built-in battery
- "Auto- current drift balanced system" , the unique patent of impedence RESP, ensure the accuracy of RESP.
- User-friendly man-machine dialogue interface with pop-up menus, dialogue boxes, knob and etc.
- Unique patent G5A® in against electrosurgical interface; either in cutting or in burning, ECG waveform and HR won't be influenced.
- Goertzel arithmetic ensures fast &accurate NIBP&realizes venipuncture.
- ST-segment analysis, bed-to-bed view, venipuncture, pace-maker, drug calculation and 23-type arrythmia analysis.
- Unique patent GAA261® of ECG sync make fast defibrillation recovery, accurate and stable display of ECG waveform & HR.
- Unique nasal tube respiration test method (suitable for burnt & upper airway obstruction patient and new-born).

Feature

- Audible & visual alarm and adjustable alarm limits.
- Trend data storage, up to 360 hours.
- Printing of data, waveform, trend tables and trend diagrams.
- Humanized operation interface; Multi-language available.
- Streamlined outline design with foldable handle.
- Suitable to adults, pediatrics and neonates; widely used in physicians's office, OR/OT, ICU, CCU, NICU, clinics etc.
- WAN communication function to network with central monitoring system and make long-distance monitoring, diagnosis, maintenance and software upgrade possible; Support wired/ wireless networking, HL7 system compatible.
- Display Oxy CRG and 7-lead ECG waveform simultaneously, big-font mode, 5 kinds of user-defined display format.
- 12.1″ color TFT LCD screen, adjustable lightness and volume; display multi-channel real time waveform & trend diagram simultaneously.

Technical Specifications

ECG

Input	3 /5 wires ECG cable
Lead section	I, II, III, aVL, aVF, V
Gain selection	x1/4, x1/2, x1, x2, x4 and automatic
Sweep speed	3.125mm/s, 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
Heart rate range	15~300bpm
Calibration	±1 mv
Accuracy	±1%

NIBP

Philosophy	Oscillometric method
Measurement type	Adult, Pediatric and Neonate
Measurement parameter	Systolic, Diastolic, Mean
Measurement method	Manual measurement Automatic, Continuous
Unit	mmHg/kPa selection
Accuracy	±3mmHg or ±2%

SpO2

Display type	Waveform, Data
Measurement range	0~100%
Accuracy	1%
Pulse rate range	30~250bpm
Accuracy	±1bpm
resolution	1bpm

Cardiac Output (Option)

Measuring Method	Thermodilution
Blood temperature measurement and alarm range	23 ℃ ~ 43℃
Unit	degrees Celsius ℃ or Fahrenheit ℉
Error	±0.2 ℃
Resolution	0.1℃
Cardiac output measurement range	0.1L/min ~ 20.0 L/min
Error	±0.2 L/min or ±5%

Anesthesia gas analysis (Option)

Method	Infrared Absorption				
Gas Sorts	CO2, N2O, Des, Iso, Enf, Sev, Hal and optional O2				
Measurement range	CO2	0~30%	N2O	0~105%	
O2	0~105%	Iso, Enf, Hal	0~30% ,		
Sev	0~30%	Des	0~30%		
Data input	Fi and Et values				
Agent mixture detection					

CBBNIBP (Option)

Method	PPG TRANS TIME
Measurement range	
Systolic pressure（SYS）	（0～40）kPa, or（0～300）mmHg
Diastolic pressure（DIA）	（1.3～26.7）kPa, or（10～200）mmHg
Mean arterial pressure（MAP）	（2.7～29.3）kPa, or（20～220）mmHg
Resolution	1 mmHg
Accuracy mean difference	＜5mmHg
standard difference	＜8mmHg

2-Temperature (Rectal & Surface)

Number of channel	2 channel
Measurement range	0~50℃
Resolution	0.1 ℃
Display	T1, T2, ΔT
Unit	℃/℉ selection

2-Respiration (Impedance & Nasal Tube)

Measurement range	0~156bpm
Accuracy	±1bpm
Resolution	1bpm

ETCO2-Plug& Play (Option)

Measurement type	main/side stream
Measurement range	0%~19.7%; 0~150mmHg; 0~20kpa
Accuracy	0~40mmHg ±2mmHg 41~70mmHg ±5% 71~100mmHg ±8% 101~150mmHg ±10%

2-IBP（Option）

Measurement range	-10~300mmHg
Number of channel	2 channel
Accuracy	±1mmHg or ±2%
Pressure tag	ART, CVP, RVP, LAP, RAP, PAP, ICP, LVP

12 LEADS ECG (Option)

Input:	3 /5/10 wires ECG cable
Leads Selection	Ⅱ,Ⅱ,Ⅲ,AVR,AVL,AVF,V1 – V6
Sweep Speed	6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
Heart Rate Range	15-380 bpm
Calibration	±1 mv

Defibrillation Synchronization (Option)

The farthest delay time	35ms（R crest to pulse rising）
AMP: High level	3.5~5V, the max provide 1mA output electricity
Low level	＜0.5V, the max receive 5mA output electricity
Pulse width	100±10%
Output impedance	Rating 50Ω
Rise and drop time	No more than 3 ms

POWER REQUIREMENT

Working voltage	100~240VAC, 50/60Hz
Power rate	80VA
Battery backup	3 hours as option

Standard configuration:ECG+NIBP+SpO2 +TEMP+RESP +HR/PR +Battery
Optional configuration:

12 Leads ECG	Suntech NIBP	Etco2	Defibrillation Synchronization	CBBNIBP	Thermal Printer
Nellcor Spo2	Masimo Spo2	2-IBP	Anesthesia Gas Analysis	Wireless Network	Wall Mount
Cardiac Output	Touch Screen	Carry bag	12-Volt Power Supply	High energy battery	Moving Cart

G3D/G3N Multi-Parameter Patient Monitor