



Specification of G3D Patient Monitor



Standard configuration: ECG, HR, PR, SpO₂, OxyCRG diagram, ST analysis, Arrhythmia analysis, RESP*2 (RA-LL impedance and nasal cavity), NIBP (with venous punch), TEMP*2(surface and rectal type), Drug dose calculation and lead-acid battery.

Optional configuration:

- Wireless networking function to patient monitor;
- Inside placed thermal-sensitive built-in printer;
- IBP function (Include 1 pressure sensor and 1 adaptable cable);
- ETCO₂ function module (Include 1 disposable dehydration bottle);
- Wall Mount for patient monitor ;
- Trolley for patient monitor;
- 12 volts Power supply for ambulance

Physical Character

1. Displayer : 12.1" color TFT LCD screen with maximum 8-waveform display.
2. Battery: Rechargeable high-energy built-in battery
3. Advanced streamline outline design, portable, compact, lightweight
4. Operating menu with multi-language interface selection: English, Spanish, Portuguese, Chinese, Arabic, Russian, Italian, etc.
5. Easy operation with user friendly menu structure design and rotary dial
6. Against & eliminate ESU interference & defibrillation, no need to disconnect the monitor from the patient in process of defibrillating.
7. Three-application mode: monitoring, diagnosis, operating.
8. WAN communication function to network with central monitoring system and make long-distance monitoring, diagnosis, maintenance and software upgrade possible
9. Optional built-in wireless networking function
10. 72 hours data storage.
11. Intelligent audio and visual comprehensive alarm
12. In-hospital applications include emergency room's pre and post operative care, ICU, Operation room/theater, ambulatory surgery, intermediate care/step down units, labor and delivery, and hospital-based special procedure areas.
13. Suitable for use in physicians' offices, clinics, outpatient surgical centers, extended care facilities and other patient care areas, which of require affordable monitoring
14. Suitable for adult, pediatrics, neonates

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Technical Parameter



Temperature (surface and rectal)

Measurement range: 25.0 – 45.0 °C

Accuracy: ± 0.1 °C

Resolution: 0.1 °C

response time: ≤ 3 min.

ECG

Input: 5 wires ECG cable

Lead section: I , II ,III/ aVR, aVL, aVF/ V

Gain (mm/mV) : 1/4, 1/2, 1, 2, 4

Frequency response: Diagnosis 0.05 - 100Hz

Monitor 0.5 - 40 Hz

Surgery 1.0 - 25 Hz

Sweep speed(mm/sec): 12.5, 25, 50

Heart rate range: 30-254 BPM

Heart rate accuracy: ± 1 %

ST segment deviation analysis: -0.8-+0.8mV

ST accuracy: ±0.02mv

Respiration Rate(RA-LL impedance and nasal cavity)

Measurement range: 0 - 120 BPM (adult)

Accuracy: ± 1 BPM or 5 %

Resolution: 1 BPM

Power requirements

Input: 98~260 V AC, 50/60Hz

Consumption: ≤ 80VA

Environment

	Operation	Storage
Temperature	0.5 - 40 °C	-20 - 50 °C
Relative humidity	≤ 80%	

Pulse Rate

SPO2 measurement range: 0 - 100 %

Resolution: 1 %

Pulse measurement range: 30- 254BPM

Accuracy: ± 2 %

Resolution: 1 BPM

NIBP (Non-invasive blood pressure)

Measurement type : adult, pediatric, neonatal

Measurement range: Systolic 4.0 - 37.0 kPa

Diastolic 1.3 - 33.0 kPa

Mean 2.6 - 35.0 kPa

Accuracy : ± 0.4 kPa or 5 %

Resolution: 0.1 kPa

Protection: over pressure

IBP(Invasive blood pressure) (with venous punch) (Option)

Measurement range: -1.3~40kPa (-10~300mmHg)

Channel: 2 channel

Transducer sensitivity: 5MV/V/mmHg

Unit display: KPa or mmHg selectable

ETCO2 (side stream type) (Option)

Measurement range: 0 % - 10.0 % (ins CO2 and et CO2)

Accuracy: ± 2 mm Hg (< 5 % Measurement value)

10 % (> 5 % Measurement value)

Response time: 180 Ms ≤ 90%

Safety standard: IEC 60601-1

Quality System: ISO13485: 2003

- Accessories:**
- 1 set of ECG cable
 - 1 set of ECG electrode
 - 1 set of NIBP extend cable
 - 1 set of NIBP adult or pediatric or neonate cuff
 - 1 set of RESP nasal cavity pipe
 - 1 set of TEMP surface probe
 - 1 set of TEMP cavity probe
 - 1 set of integrated adult or pediatric or neonate SpO2 sensor
 - 1 set of power supply cable