



## Specification of G3C Patient Monitor



### Physical Character

1. Displayer : 10.4" color TFT LCD screen with maximum 8-waveform display. Adjusting of lightness continuously make patient more comfortable in midnight
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, etc.
5. Easy operation with user friendly menu structure design and rotary dial
6. Against & eliminate electro surgical interference & electric knife and defibrillation and 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

### 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

#### Pulse Rate

SPO2 measurement range: 0 - 100 %

Resolution: 1 %

Pulse measurement range: 30- 254BPM

Accuracy: ± 2 %

Resolution: 1 BPM

#### 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



<p>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: <math>\pm 1\%</math> ST segment deviation analysis: -0.8~+0.8mV ST accuracy: <math>\pm 0.02\text{mv}</math></p> <p><b>Respiration Rate</b>(RA-LL impedance and nasal cavity) Measurement range: 0 - 120 BPM (adult) Accuracy: <math>\pm 1</math> BPM or 5 % Resolution: 1 BPM</p> <p><b>Power requirements</b> Input: 98~260 V AC, 50/60Hz Consumption: <math>\leq 80\text{VA}</math></p> <p><b>Environment</b></p> <table border="1"> <thead> <tr> <th></th> <th>Operation</th> <th>Storage</th> </tr> </thead> <tbody> <tr> <td>Temperature</td> <td>0.5 - 40 °C</td> <td>-20 - 50 °C</td> </tr> <tr> <td>Relative humidity</td> <td><math>\leq 80\%</math></td> <td><math>\leq 90\%</math></td> </tr> </tbody> </table>		Operation	Storage	Temperature	0.5 - 40 °C	-20 - 50 °C	Relative humidity	$\leq 80\%$	$\leq 90\%$	<p>Accuracy : <math>\pm 0.4</math> kPa or 5 % Resolution: 0.1 kPa Protection: over pressure</p> <p><b>Invasive blood pressure (with venous punch)</b> Measurement range: -1.3~40kPa (-10~300mmHg) Channel: 2 channel Transducer sensitivity: 5MV/V/mmHg Unit display: kPa or mmHg selectable</p> <p><b>ETCO2 (side stream type)</b> Measurement range: 0 % - 10.0 % (ins CO2 and et CO2) Accuracy: <math>\pm 2</math> mm Hg (<math>&lt; 5\%</math> Measurement value) 10 % (<math>&gt; 5\%</math> Measurement value) Response time: 180 Ms</p> <p><b>Safety standard:</b> IEC 60601-1 <b>Quality System:</b> ISO13485: 2003</p>
	Operation	Storage								
Temperature	0.5 - 40 °C	-20 - 50 °C								
Relative humidity	$\leq 80\%$	$\leq 90\%$								

**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

- Accessories:**
- 1 set of ECG cable
  - 1 set of ECG electrode
  - 1 set of NIBP extend cable
  - 1 set of NIBP adult 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 SpO2 sensor
  - 1 set of power supply cable