



Monitoring Expert. General Meditech



General Meditech **G3L**
Multi-Parameter Patient Monitor



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Characteristics

- 15" color TFT LCD screen with multi-channel waveform display. Battery: Rechargeable high-energy built-in battery
- Advanced streamline outline design, portable, compact, lightweight
- Operating menu with multi-language interface selection: English, Spanish, Portuguese, Chinese, Arabic, Russian, Italian, etc.
- Easy operation with user friendly menu structure design and rotary dial
- Remote control ability for long distance operation.
- Against & eliminate ESU interference & defibrillation, no need to disconnect the monitor from the patient in process of defibrillating.
- Three-application mode: monitoring, diagnosis, operating.
- WAN communication function to network with central monitoring system and make long-distance monitoring, diagnosis, maintenance and software upgrade possible
- Optional built-in wireless networking function 360 hours data storage.
- With Drug dose calculation function
- Intelligent audio and visual comprehensive alarm
- 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.
- Suitable for use in physicians' offices, clinics, outpatient surgical centers, extended care facilities and other patient care areas, which of require affordable monitoring
- Suitable for adult, pediatrics, neonates



Specification

ECG

Input: 3 wires / 5 wires ECG cable
Lead section: I, II, III / I, II, III, aVR, aVL, aVF, V
Gain(mm/mV): 1/4, 1/2, 1, 2, 4
Sweep speed(mm/sec): 6.25, 12.5, 25, 50
Heart rate range: 15-300 BPM
Heart rate accuracy: $\pm 1\%$
ST segment deviation analysis

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
Tourniquet function

Temperature (surface and rectal)

Measurement range: 25.0-45.0 °C
Accuracy: ± 0.1 °C
Resolution: 0.1 °C (I, II, III selectable impedance and nasal cavity)
response time: ≤ 3 min.
Respiration Rate
Measurement range: 0 - 120 BPM
Accuracy: ± 1 BPM or 5 %
Resolution: 1 BPM

Pulse Rate

SpO₂ measurement range: 0-100 %
Resolution: 1 %
Pulse measurement range: 30- 250BPM
Accuracy: $\pm 2\%$
Resolution: 1 BPM

IBP(Invasive blood pressure) (Option)

Measurement range: -1.3~40kPa (-10~300mmHg)
Channel: 4 channel
Transducer sensitivity: 5MV/V/mmHg
Unit display: KPa or mmHg selectable

ETCO₂ (main/side stream type) (Option) -Plug&Play

Measurement range: 0-150 mmHg
(Barometric pressure supplied by Host)
Accuracy: 0- 40 mmHg ± 2 mmHg
41-70 mmHg $\pm 5\%$ of reading
71-100mmHg $\pm 8\%$ of reading
101-150mmHg $\pm 10\%$ of reading
Above 80 breath per minute $\pm 12\%$ of reading
Sample rate: 50ml/min
Response time: < 3 seconds-includes transport time and rise time

Cardiac Output (Option)

Method: thermodilution
Measurement range: CO: 0.1-20.0 L/min
TB: 23-43 °C
TI: 0-27 °C
Resolution: CO: 0.1 L/min
TI: 0.1 °C
TB: 0.1 °C
Accuracy: CO: ± 0.2 L/min or $\pm 5\%$
TB: ± 0.2 °C
TI: ± 0.2 °C

Parameter output:
Cardiac output Hemodynamics calculation

Power requirements

Input: 100~240 VAC, 50/60Hz

Safety standard: IEC 60601-1
Quality System: ISO13485: 2003



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