

CARDIOTECH GT-21

Patient Monitor



12

Lead ECG
Available

HL7

Connectivity

9

On-Screen
Waveforms

Standard Parameters: ECG, Respiration, SpO2, PR, NIBP, Temperature

Optional Parameters: Touch Screen, 2-IBP, EtCO2, Nellcor SpO2, SunTech NIBP, 12-lead ECG Cerebral State Monitoring, Central Monitor Station

Features

- 12-lead ECG available
- 10.4" High-resolution display
- Optional touchscreen interface
- Bed-to-bed view for centralized monitoring
- Data export capability and software upgrade
- HL7 protocol compatibility for seamless integration
- Versatile clinical calculation tools to enhance efficiency
- Customizable NIBP measurement cycles (up to 5-phase)
- Displays up to 9 on-screen waveforms; supports a maximum of 13 traces



Designed for Precision and Performance

The CardioTech GT-21 Patient Monitor is a reliable and user-friendly solution designed for efficient patient care. With a clear high-resolution display and intuitive interface, it supports essential monitoring and diagnostic functions. Its connectivity features and flexible design make it well-suited for various clinical environments. Built for both adaptability and performance, the CardioTech GT-21 ensures continuous, accurate monitoring when it matters most.

Comprehensive Calculations For Clinical Application

- Respiration calculation
- Oxygenation calculation
- Renal function calculation
- Hemodynamics calculation
- Drug concentration calculation



Accessories



Specifications

ECG

Input dynamic range:
 $\pm(0.5\text{mVp}\sim 5\text{mVp})$
Differential input impedance: 10M
Bandwidth: 0.05~150Hz (Diagnostic)
0.5~40Hz (Monitoring)
1~20Hz (Operation)
CMRR: 90dB (Diagnostic)
105dB (Monitoring & Operation)
Sensitivity selection: $\times 1/4$, $\times 1/2$, $\times 1$, $\times 2$,
 $\times 4$ and Auto
Sweeping speed: 6.25mm/s,
12.5mm/s, 5mm/s, 50mm/s
HR measuring range: 15~350bpm
HR accuracy: $\pm 1\%$ or $\pm 2\text{bpm}$,
whichever is greater
Pacemaker pulse detection and
rejection function

RESP

Measuring range: 0~120rpm
Measuring accuracy: $\pm 5\%$ or $\pm 2\text{rpm}$,
whichever is greater

TEMP

Measuring range: 21.0~50.0°C
Measuring accuracy: $\pm 0.2^\circ\text{C}$
from 25~45°C

NIBP

Technique: Oscillometric method
Typical measurement time:
<30 seconds (adult cuff)
SYS: 40~275mmHg (Adult)
NIBP measuring range:
40~200mmHg (Pediatric)
40~135mmHg (Neonate)
DIA: 10~210mmHg (Adult)
NIBP measuring range:
10~150mmHg (Pediatric)
10~95mmHg (Neonate)
MAP: 20~230mmHg (Adult)
NIBP measuring range:
20~165mmHg (Pediatric)
20~110mmHg (Neonate)
NIBP measuring accuracy: Mean
difference: $\pm 5\text{mmHg}$
Standard deviation: 8mmHg
NIBP measurement mode: Manual,
Auto,
STAT, Multi-cycle mode
Auto measuring intervals: 1-480min

SpO₂

Technique: Dual-wavelength
optical method
Measuring range: 0%~100%
Measuring accuracy: Arms is not
greater than 2% for SpO₂
range 70~100%.
PR measuring range: 30~250bpm
PR measuring accuracy: $\pm 2\text{bpm}$ or
 $\pm 2\%$, whichever is greater
Low perfusion performance :
As low as 0.3%.

CO₂

Technique: Infrared optical method
Sampling mode: Sidestream or
Mainstream
Measuring range: 0~150mmHg
Measuring accuracy:
0~40mmHg $\pm 2\text{mmHg}$
41~70mmHg $\pm 5\%$ of reading
71~100mmHg $\pm 8\%$ of reading
101~150mmHg $\pm 10\%$ of reading
Flow rate: 50ml/min $\pm 10\text{ml/min}$
(Sidestream)

Cerebral State Monitoring (CSM)

EEG sensitivity: $\pm 400\text{V}$
Noise level: $< 2\text{Vp-p}$, $< 0.4\text{V rms}$
(1~250Hz)
CMRR: $> 140\text{dB}$
Input impedance: $> 50\text{Mohm}$
CSI and update: 0-100. filter: 6-42Hz,
1 sec. update
EMG%: 0-100 (logarithmic)
filter: 75-85 Hz,
1 sec. update
BS%: 0-100. filter: 2-42 Hz,
1 sec. update

IBP

Technique: Strain gauge transducer
Input sensitivity: 5 V/V/mmHg
Measuring range: -50~300mmHg
Measuring accuracy: $\pm 2\%$ or $\pm 4\text{mmHg}$,
whichever is greater
Measuring positions: ART, RAP, PA,
LAP, CVP, ICP, AUXP1, AUXP2
Calibration: zero calibrating

Other Specifications

Power supply: AC 100V-240V,
50/60Hz, 60VA
Built-in lithium battery:
11.1V/4400mAh
Display: 10.4 inch TFT display
Alarming method: 3 levels
audible-visible alarm
Networking: Ethernet

Standard configuration

ECG, Respiration, SpO₂, PR, NIBP,
Temperature

Options

Touch Screen, 2-IBP, EtCO₂, Nellcor
SpO₂, SunTech NIBP, 12-lead ECG
Cerebral State Monitoring,
Central Monitor Station