

CARDIOTECH GT-21

Patient Monitor

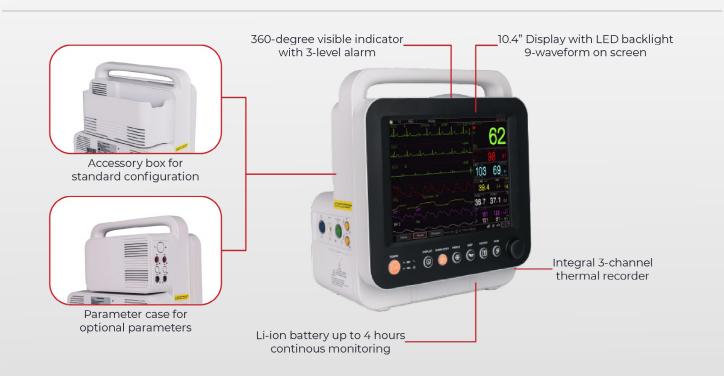


Lead ECG Available HL7
Connectivity

On-Screen Waveforms

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







Temperature

SpO₂

NIBP Cuff

ECG Cable

Specifications

ECG

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

RESP

Measuring range: 0~120rpm Measuring accuracy: ±5% or ±2 rpm, whichever is greater

TEMP

Measuring range: 21.0~50.0°C Measuring accuracy: ±0.2°C from 25~45°C

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: ±5mmHg Standard deviation: 8mmHg NIBP measurement mode: Manual, 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: ±2bpm or ±2%, whichever is greater Low perfusion performance:

As low as 0.3%.

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

Cerebral State Monitoring (CSM)

EEG sensitivity: ±400 V Noise level: <2 Vp-p, <0.4 V rms (1~250Hz) CMRR: >140dB Input impedance: >50Mohm 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

Technique: Strain gauge transducer Input sensitivity: 5 V/V/mmHg Measuring range: -50~300mmHg Measuring accuracy: ±2% or ±4mmHg, 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