

CARDIOTECH GT-3

Vital Signs Monitor



1200

NIBP Measurement
Review

120h

Trend
Review

200

Alarm

16 Million

Measurements
(Spot & Round)

Standard Parameters: SpO2, NIBP, PR

Optional Parameters: Nellcor OxiMax™ SpO2, SunTech NIBP, Covidien Oral Temp, Infrared Ear Temp, Quick Oral Temp, Non-Contact Temp, & Exergen Temporal Temp

Advanced Vital Sign Monitoring

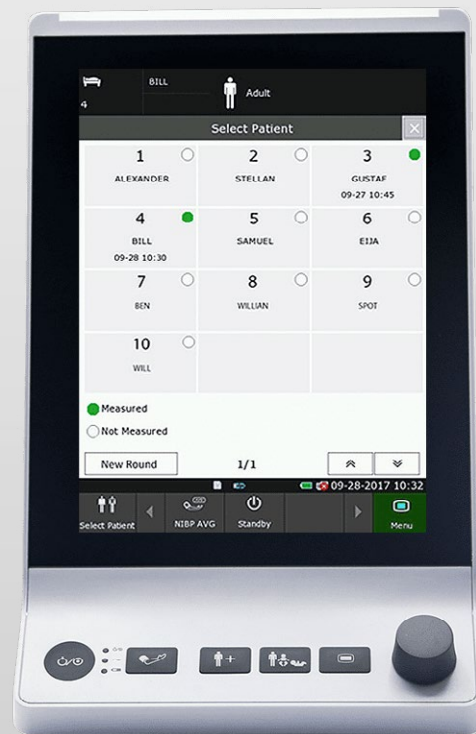
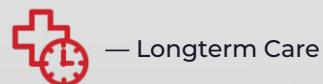
The CardioTech GT-3 Vital Signs Monitor boasts advanced vital sign monitoring technology. Designed to make daily use more efficient, the internal Wi-Fi capabilities, data storage and review, makes the GT-3 is our most user-friendly vital signs monitor.

Features

- 8" Color TFT Screen (Touchscreen)
- Supports Hard Key and Knob Operation
- Unique Cable-Receiving Design
- Monitoring / Spot / Round Modes
- MEWS/EWS/NEWS Score System
- Tympanic, Covidien Oral, Non-Contact, & Exergen
- Temporal Temperature Optional
- Integrates with Point Click Care with VitalsXChange
- Storage for 16 Million Spot Check Measurements

Innovative Design

- Portable Design
- 8" Touch Screen
- Barcode Scanner Support
- USB, OTG, LAN, & DCHP
- Built in WiFi
- 360 Degree Alarm Light



Images



Infrared Ear Temp
CardioTech GT-3_NST



Quick Oral Temp
CardioTech GT-3_NST.O



Covidien Oral Temp
CardioTech GT-3_NST.C



Non-Contact Temp
CardioTech GT-3_NST.HTD



Exergen Temporal Temp
CardioTech GT-3_NST.E

Adaptive Working Modes

Round, Monitoring, & Spot

Round Mode:

- Designed to make daily use more efficient
- Easily upload data through WiFi to your EMR
- Features color-coded list
- Preset and save resident names and room numbers
- Up to 1,000 names can be added at once

Monitoring mode:

- Designed for continuous patient monitoring
- Real-time data, alarms, and trends

Spot mode:

- Designed for spot-check applications
- Real-time vitals
- No alarm

Configurations

STANDARD

- EDAN SpO2, EDAN NIBP
- Touch screen, battery, WiFi, USB interface, nurse call/OTG interface, MEWS/EWS/NEWS

OPTIONAL

- SpO2 Nellcor SpO2, Suntech NIBP, T2A Quick Temp, F3000 Quick Temp, TH Ear Temp, Exergen Temporal Temp, & Non-Contact Temp
- Recorder & internal barcode scanner

Specifications

Physical Specification

Device Dimension:
159mm (W) × 262mm (H) × 166mm (D)
Weight: approx. < 2.5 kg

Display

Color TFT LCD: 8"
Resolution: 800x600

Power Supply

100 V-240 V~, 50 Hz/60 Hz
Current: 0.7 A-0.35 A; Fuse: T2.5AH,
250VAC

Battery 1

Battery Type: Rechargeable Lithium-ion
Capacitance: ≥ 2400 mAh
Operating Time: ≥3.5 hrs
Fast Changing Time: ≤3 hrs
Charging Time: Monitor on: ≤10 hrs

Battery 2

Capacitance: ≥ 4800 mAh
Operating Time: ≥10 hrs
Fast Changing Time: ≤6 hrs
Charging Time: Monitor on: ≤20 hrs

Data Storage

Monitor Mode:

Trend Graph: 1hr, 1s resolution
Table: 120 hrs, 1m resolution
Alarm/ Monitoring Event Data:
Up to 200 sets
NIBP Review: 1200 sets

Round Mode:

Round Record: Up to 800K sets
SpO2: ≤20 sets for single patient
NIBP: ≤20 sets for single patient
TEMP: ≤20 sets

Spot Checking Mode:

Storage data maximally
contains 16 million sets of
spot-checking data for multiple patients

WiFi

IEEE: 802.11 B/G/N
Frequency Band: 2.4 GHz ISM Band

Recorder

Record Width: 49 mm~50 mm.
Paper Speed: 12.5 mm/s, 25 mm/s, 50
mm/s
Trace: 1

Recording types:

Continual real-time recording
8 seconds real-time recording
Recording manually
Physiological Alarm recording
Trend graph recording
Trend table recording
NIBP review recording
Alarm review recording
NIBP auto triggered recording

E-Link Bluetooth

Trasmt Frequency: 2402 ~ 2480MHz
Frequency Band: 2402 ~ 2480MHz
Modulation: FHSS, GFSK, DPSK,
DQPSK

Interfaces & Others

USB Port: 1
Micro USB Port: 1
Network Interface: 1
Nurse Call: Micro USB Port
Built-in Barcode Scanner: Optional

PR

Measuring Range: 40 bpm to 240
bpm
Accuracy: ≥ 3 bpm or 3.5%, whichever
is greater

SpO2

Measuring Range: 0% to 100%
Resolution: 1%
Data updtate period: 1 s

Accuracy:

Adult/ Pediatric: ±2% (70% to
100% SpO2)Undefined (0% to
69% SpO2)
Neonate: ±3% (70% to 100%
SpO2)Undefined (0% to
69% SpO2)

PI:

Measuring Range: 0-10
Resolution: 1

Pulse Rate:

Measuring Range: 25 - 300 bpm
Resolution: 1 bpm
Accuracy: ≥2 bpm

NIBP

Technique: Oscillometry
Mode: Manual, Auto, Continuous,
Measuring Interval in AUTO Mod
(unit: minutes):1/2/3/4/5/10/15/30
/60/90/120/180/240/360/480
Continuous: 5 min, interval is 5 s
Measuring Parameter: SYS, DIA, MAP,

Measuring Range:

Adult Mode:

SYS: 25 mmHg to 290 mmHg
DIA: 10 mmHg to 250 mmHg
MAP: 15 mmHg to 260 mmHg

Pediatric Mode:

SYS: 25 mmHg to 240 mmHg
DIA: 10 mmHg to 200 mmHg
MAP: 15 mmHg to 215 mmHg

Neonate Mode:

SYS: 25 mmHg to 140 mmHg
DIA: 10 mmHg to 115 mmHg
MAP: 15 mmHg to 125 mmg
Alarm Type: SYS, DIA, MAP, PR
(NIBP)

Cuff Pressure Measuring Range:
0 mmHg to 300 mmHg
Pressure Resolution: 1 mmHg
Maximum Mean Error: ±5 mmHg
Maximum Standard Deviation: 8
mmHg

Maximum Measuring Period:

Adult/Pediatric: 120 s

Neonate: 90 s

Typical Measuring Period: 20 s to 35 s
(depend on HR/motion disturbance)

Overpressure Protection:

Adult: 297 mmHg±3 mmHg
Pediatric: 245 mmHg±3 mmHg
Neonatal: 147 mmHg±3 mmHg

Specifications (Continued)

TEMP (T2A Module: Oral Temp)

Measuring Range:

Monitor Mode: 25 C~45 C

Predict Mode: 35.5 C~42 C

Sensor Type: Oral/Axillary/Rectal

Accuracy: ± 3 bpm (20 bpm to 250 bpm)

Resolution: 0.1 C

Accuracy: Monitor Mode: ± 0.1 C (25~45C)

Response Time < 60 s

Time for predicting: < 30 s

Monitor Mode: ± 0.1 C (25 C~45 C)

Measuring Mode: Direct Mode/

Adjusted Mode

TEMP (TH Module: Infrared Ear Temp)

Measuring Range: 34 C~42.2 C

Resolution: 0.1 C

Response Time: 1 s

Clinical Accuracy: ± 0.2 C (0.4 F

(35.5 C~42 C)(95 F~107.6 F)

± 0.3 C (0.5 F

(out of the range mentioned above)

Laboratory Accuracy: ± 0.2 C

TEMP (F3000 Module: Coviden Oral Temp)

Measuring Range: 30 C~43 C

Prediction Measurement: 35 C~43 C

Color Mode Prediction: 35 C~43 C

Sensor Type: Oral/Axillary/Rectal

Resolution: 0.1 C

Accuracy: Monitor/ Predictive Mode:

± 0.1 C

Quick Predictive Mode: ± 0.3 C

Typical Measurement:

Oral:

(Quick Predictive Mode):

(3~5) s (non-fever temps); (8~10) s

(fever temps)

Rectal:

(10~14) s

Monitoring Mode (all sites): (60~120) s