

**Value** Without Compromise







# CARDIOTECH GT-9000

## PATIENT MONITOR

The GT-9000 series puts reliable monitoring technologies at your i finger tips. With its accurate readings and optimized performance, the GT-9000 series can meet most basic monitoring needs, bringing easy access to high-quality healthcare for everyone.

## **FEATURES**

- High resolution color TFT-LCD screen
- Pacemaker detection
- Defibrillation and electrosurgical interference protection
- Pitch tone (Pulse-tone modulation)
- Unique iSEAP algorithm which is specially optimized for arrhythmia patients

- Dual-mode anti-interference pulse oximetry
- SP10 Validated NIBP
- Built-in rechargeable U-ion battery
- Nurse call
- VGA output (optional)
- Suitable for adult, pediatric and neonatal patients



## **SPECIFICATION**

#### **Physical Specification**

Device Dimension:

320 mm (L) x 150 mm (W) x 265 mm (H) Weight: approx. 5 kg

#### Display

ColorTFT LCD: 12.1"
Resolution: 800x600
Traces Displayed: Up to 8
Waveforms Displayed: Up to 11
Sweep Speed: 6.25, 12.5, 25, 50 mm/s

#### **ECG**

Lead Type: 5-lead and 3-lead selectable Gain: Auto, x 0.125, x 0.25, x 0.5,

x 1, x 2, x 4

Sweep Speed: 6.25, 12.5, 25, 50 mm/s

ECG HR Range:

Adult: 15-300 bpm

Pediatric / Neonate: 15-350 bpm

Resolution: 1 bpm

Accuracy: ±1 bpm or ±1% (whichever is greater)

(willCriever is greater)

Filter:

Diagnostic Mode: 0.05 ~ 150 Hz Monitoring Mode: 0.5 ~ 40 Hz Surgical Mode: 1~20 Hz ST-Segment Detection:

Measurement Range: -2.0 mV~2.0 mV Alarm Range: -2.0 mV~2.0 mV

#### RESP

Method: Trans-thoracic impedance Operation Mode: Auto/Manual RR Measurement Range:

leasurement Hange: Adult: 0~120 rpm

Neonate/Pediatric: 0~150 rpm

Resolution 1 rpm

Apnea Alarm Threshold: 10, 15, 20, 25, 30, 35, 40 s

Band Width: 0.2-2.5 Hz (-3 dB)

Sweep Speed: 6.25, 12.5, 25, 50 mm/s

#### Sp02

Measurement & Alarm Range:

0~100% (EDAN Sp02)

Resolution: 1%;

Accuracy: <u>+</u>2% (70~100%, AdultU/

Pediatric)

±3% (70~100%, Neonate)

PR Measurement: Resolution: 25-300 bpm

1 bpm

Refresh Rate: 1 second

#### **NIBP**

Method: Automatic Oscillometric Operation Modes: Manual/Automatic/

Continuous

Auto Measurement Time Interval: 1, 2, 3, 4, 5, 10, 15, 30, 60, 90,

120, 240, 480 minutes

Measurement Unit: mmHg/kPa

Measurement Types: Systolic, Diastolic,

Mean, Pressure Range:

Adults:

Systolic: 40~200 mmHg Diastolic: 10~160 mmHg Mean: 20~235 mmHG

Pediatrics:

Systolic: 40~200 mmHg Diastolic: 10~150 mmHg Mean: 20~165 mmHG

Neonates:

Systolic: 40~135 mmHg Diastolic: 10~100 mmHg Mean: 20~110 mmHG

Resolution: 1 mmHa

Accuracy:

Max Mean Error: ±5 mmHg Max Standard Deviation: 8 mmHg PR from NIBP Measurement Range:

40~240 bpm Resolution: 1 bpm

Accuracy: 3 bpm or 3.5% (whichever is greater)

SP10:2002

#### IBP (2 Channels, optional)

Measurement Pressure:

ART, PA, CVP, RAP, LAP, ICP, P1, P2 Measurement Range: -50~300 mmHg

Resolution: 1 mmHg

Accuracy: ±2% or ±1 mmHg (whichever is greater, without probe)

Sensitivity: 5μV/V/mmHg Impedance Range: 300-3000Ω

#### Philips Respironics C02 (Optional)

Type: Sidestream/Mainstream

Range: 0~150 mmHg

Accuracy: ±2 mmHg 0~40 mmHg, ±5% 41~70 mmHg ±8% 71~100 mmHg +10% 101~150 mmHg

AwRR Accuracy: ±1 rpm

## C02 (By EDAN Instruments, optional) Sidestream

Range: 0~13% (0-100 mmHg)
Accuracy: ±2 mmHg < 5.0% C02
<6% of the reading >5.0% C02
Sample Flow Rate: 100~200 ml/min

## Temperature (2 Channels, 1 probe by default)

Measurement/Alarm Range: Resolution: 0~50 °C (32-122 °F)

Accuracy: 0.1 °C

Channel: ±01 °C (without probe) Dual-channel. Provide T1; T2; ΔT

#### Thermal Recorder (Optional)

Print Speed: 25, 50 mm/s

Power Supply

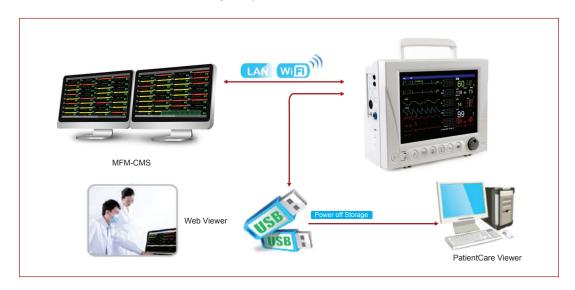
AC Power: 100~240 V AC, 50/60 Hz Battery: 14.8 V Rechargeable Li-ion

Battery



### **SEAMLESS CONNECTIVITY**

The Wi-Fi connectivity of the GT-9000 series enables healthcare providers to monitor their patients' health status from almost anywhere. Connecting it with CardioTECH MFM-CMS software, you may log on from any PC/Tablet to and check the status of your patients.







- Proven ruggedness Solid state design
- Suitable for neonatal patients
- No need to calibrate on a regular basis
- Sidestream sampling rate of 50 ml/min

## **DISPLAY MODE**



3/5-lead ECG Analysis



OxyCRG for Neonate



Large Font



Trend Screen