



12.1"



# 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:  $\pm 1$  bpm or  $\pm 1\%$   
(whichever 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:  
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

### SpO2

Measurement & Alarm Range:  
0~100% (EDAN SpO2)  
Resolution: 1%;  
Accuracy:  $\pm 2\%$  (70~100%, AdultU/  
Pediatric)  
 $\pm 3\%$  (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 mmHg  
Accuracy:  
Max Mean Error:  $\pm 5$  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:  $\pm 2\%$  or  $\pm 1$  mmHg  
(whichever is greater, without probe)  
Sensitivity: 5 $\mu$ V/V/mmHg  
Impedance Range: 300-3000 $\Omega$

### Philips Respironics CO2 (Optional)

Type: Sidestream/Mainstream  
Range: 0~150 mmHg  
Accuracy:  $\pm 2$  mmHg 0~40 mmHg,  
 $\pm 5\%$  41~70 mmHg  
 $\pm 8\%$  71~100 mmHg  
 $\pm 10\%$  101~150 mmHg  
AwRR Accuracy:  $\pm 1$  rpm

### CO2 (By EDAN Instruments, optional) Sidestream

Range: 0~13% (0-100 mmHg)  
Accuracy:  $\pm 2$  mmHg < 5.0% CO2  
<6% of the reading >5.0% CO2  
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:  $\pm 01$  °C (without probe)  
Dual-channel. Provide T1; T2;  $\Delta T$

### 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

## DISPLAY MODE



3/5-lead ECG Analysis



OxyCRG for Neonate



Large Font



Trend Screen