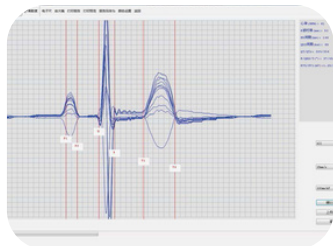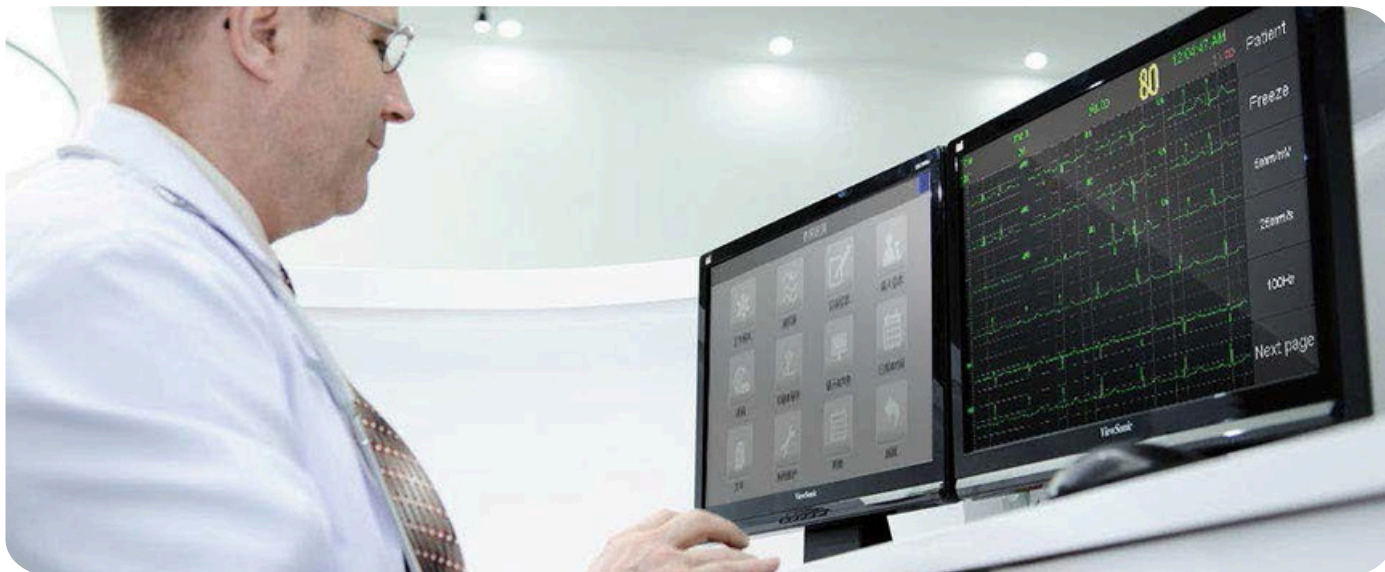# G2O

Digital 12-channel ECG Machine

G20

Distinguished ECG Provider

◆ Accurate

Gulmohar innovative ECG analysis algorithm supports accurate and valid diagnostic Automatic measurement and interpretation certified by CSE database

◆ Humanized

Automatic Position, support external USB printer ,Two selections for recording: Fast and Paper-saving
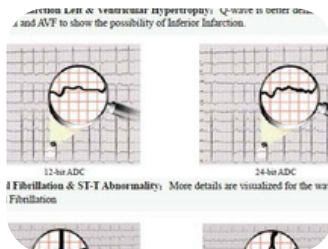
◆ Convenient

Full color touch screen & Alphanumeric keyboard Concealed and portable handle, convenient carrying Support barcode scanner

◆ Powerful Analysis

140 kinds of diagnosis analysis reports

◆Anti-interference

Digital filter design ensure powerful anti-disturbance performance High stability of baseline: stabilize baseline in 1-3 seconds

◆MultipleStorage and Communication Options

Mass storage : Internal flash + SD card + U disk LAN/Wi-Fi(optional) connections Fast FTP file transfer realizes data remote communication and management

Intelligent ECG Data Management

External printer

ECG data management system

LAN

WiFi

Barcode scanner

USB

External printer

DICOM

DAT

PDF

XML

JPEG

FTP

HIS

USB

Computer

G20 – Advanced ECG Excellence
The G20 delivers precise cardiac monitoring with a powerful ECG Management System. It captures and stores every heartbeat in real time, then performs a computerized ECG analysis using an innovative algorithm. This ensures clinicians have the accuracy and confidence to make fast, reliable, and informed cardiac care decisions.

Size and Weight:

-Size: 360mm×276mm×130mm (W×H×D)
-Weight: 4.2kg

Display

-Type: 8.0", 800×480 TFT LCD touch screen

Power Supply:

-Input voltage: AC:100V~240V, 50Hz/60Hz
-Input power: 100VA
-Earth leakage current: <0.3 mA
-Standard: Comply with IEC 60601-1 and IEC 60601-1-2

Battery

-Type: Rechargeable lithium-ion battery
-Rated Voltage: 11.1V
-Capability: 4400mAH
-Operating time: Used continuously for 5 hours
(print 500 shares of cardiogram)
-Indication of battery capability: With

Input/Output Specification

-Keyboard: USB keyboard
-Standard touch-screen connector (4 lines)
-Network connector: RJ-45 (one) TCP/IP; Web function
-USB connector: 1 x USB Host connects U disk ,scanner,and printer
                1 x USB Device connects PC computer
-SD card: SD card(Optional)

Data Storage

-Fixed Memory: 800 groups of ECG data
-Optional Memory: Flash, SD card or U disk
-Storage mode: Background storage automatically
-Storage format: PDF, DAT, Dicom, FDA-XML, JPEG

Measure and Diagnosis of ECG Waveform

-HR range: 30bpm -300bpm
-HR precision: ±1bpm (10s average)
-Coefficient error: ≤5%, 0.333
-Measure info of ECG waveform: P time limit, PR interphase,
 QRS time limit, QT interphase,QTC interphase, RV5swing,
  SV1swing, RV6swing,
 SV2swing, RV5+SV1swing, P axis, QRS axis , T axis
-Diagnosis analyze: ≥140 kinds

Environmental Specifications

-Operating:
-Temperature: 5℃～40℃
-Relative humidity: 25%～95% (non condensing)
-Atmospheric pressure: 700hPa～1060hPa

-Transportation and storage:
-Temperature: -20℃～+55℃
-Relative humidity: 25%～95% (non condensing)
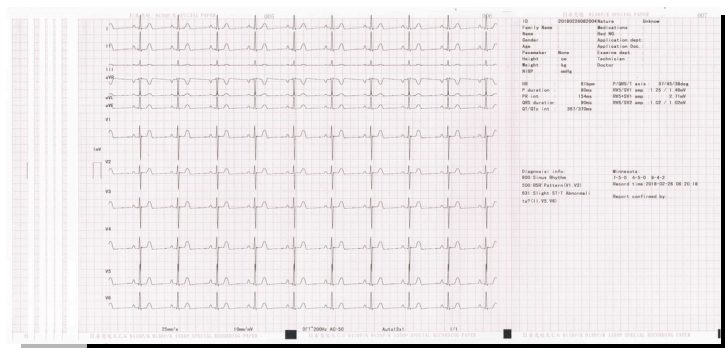-Atmospheric pressure: 500hPa～1060 hPa

Recorder

-Recording way: Thermal dot array
-Horizontal resolution:40 dots/mm
-Vertical resolution: 8 dots/mm
-Recording speed: 5 mm/s,6.25 mm/s,10 mm/s,
 12.5 mm/s,25 mm/s,50 mm/s, error:±3%
-Record width: 215mm(the effective record width of the device is 210mm)

-Paper: : 210mm×140mm×20m (Z type)
-Paper type: Folded thermosensitive printing paper
-Recording type: more than 10 kind of printing methods
 (Auto:3×4,3×4+1R,3×4+3R,6×2,6×2+1R,12×1,
 12×1_V6;Manual : 3 path, 6path, 12path, Rhythm:
 single-lead, three-leads , R-R: R-R)

Display of ECG Collection

-Signal input:12-lead, defibrillator-proof, Pacemaker
 pulse rejection
-Degree of protection against electric shock: 4000V,
 Type CF applied part
-Electrode offset potential: ±600 mV d.c.
-Response to frequency: 0.05Hz-200Hz(-3dB)
-Baseline filter: On/Off
-ECG filter: 25Hz,35Hz,45Hz, Close
-Lowpass filter: 75Hz,100Hz,150Hz,200Hz,Close
-Frequency filter: Off/On
-Gain selection: 2.5,5,10,20, 40,10/5,AGC (mm/mV)
-Gain accuracy: ≤5%
-Time base selection: 5 mm/s,6.25 mm/s,10 mm/s,
 12.5 mm/s,25mm/s, 50mm/s
-Input impedance: ≥50MΩ
-Current of input loop: ≤15n A
-Patients leakage current: ≤10 μ V
-CMRR: ≥110 dB (with AC filter open)
-Time for response to wave displaying: ≤5s
-Time for baseline recovered after switching leads: ≤1s
-Defibrillator-proof: 5000V 360J

    Recovering time for defibrillator-proof ≤5 s
    Energy reduced ≤10%
    Voltage transfer ≤1V
-Standard complied with: IEC 60601-2-25

GULMOHAR HEALTH CARE PRIVATE LIMITED

Your health deserves the best and that's what the ECG G20 delivers. Every heartbeat, every breath, every second monitored with precision.

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