



Overview

- Simultaneously 12 Leads Acquisition
- 10.4' HD LED Touch Screen with Standard Grid Background
- Layout:
3x4, 3x4+1, 6x2, 6x2+1, 6x2+3, 12x1
- Sampling Modes:
Real-time/Pre-sampling/Trigger sampling/ Period sampling
- Manual/Auto/Rhythm Modes
- Support Multiple Languages:
Simplified Chinese, English, Ukrainian, Turkish, Russian, French, Portuguese, Spanish, German, Italian, Polish, Romanian, Bulgarian, Croatian
- Format Report Storage:
ZQECG,PDF,PNG,XML,HL7,DICOM-WAVEFORM,DICOM-IMAGE,DICOM-PDF,GDT
- Alarm:
Electrode Disconnection
Recorder Unavailable
- Peripheral:
Support the machine to connect scanner, card reader and other patient information input device
- Support Wifi and cable connecting to the third part ECG network system, HIS and EMR system without ECG workstation
- Built-in Protection against Defibrillator
- Glasgow Algorithm :
Automatic Measurement & Analysis
- Support PACE Detection
- Freezing :
Max 60s Waveform Freezing and Review Function
- Heart Rate Detection Range: 30-350
- Rhythm analysis : 5 minutes

Technique Specification

Frequency Response: 0.01 ~ 350Hz

Time Constant: $\geq 3.2s$

CMRR: $\geq 115dB$

Patient Leakage Current: $\leq 10\mu A$

Calibration Voltage : $1mV \pm 2\%$

Input Circuit: $\leq 50\mu A$

Input Impedance: $\geq 50 M\Omega(10 Hz)$

Noise Level: $\leq 15\mu Vp-p$

Sensitivity valve: $20 \mu V$

Polarization Voltage: $\pm 950mV$

A/D shift: 24 bits

Sampling rate : 32000Hz (1ms)

Sensitivity: 2.5, 5, 10, 20, 40, Auto

Paper Speed: 5, 6.25, 10, 12.5, 25, 50mm/s

Recording Mode: Thermal array printer
8 dot/ mm (Vertical)
40 dot/ mm (Horizontal,
25mm/s)

Paper Type: Z-Fold Paper

Paper Size: 210/216mm \times 140mm--20m

Filter Setting:

AC: off/50/60Hz;

EMG: off/25/35/45/75/100/150/250/350Hz;

DFT: off/0.01/0.05/0.3/0.6Hz

Physical Specification

Dimension & weight:

Equipment:

(L \times W \times H) 285mm \times 360mm \times 94mm : 3.7kg

Package: 446mm*238mm*483mm; 6.2kg

Electrical Power:

AC: 100V-240V, 50Hz/60Hz, 75VA

DC: Built-in Lithium Battery

Battery Capacity:

14.8V / 4400mAh

Continuous Operating:

AC $\geq 8h$ & DC $\geq 8h$

Recharge time:

The battery is charged to 90% for no more than 3 hours, and charged to 100% for no more than 3.5 hours

Data Storage:

Max. 2000 sets; support SD card, USB

Environmental Conditions:

Transportation Temperature:-20 $^{\circ}C$ ~ +55 $^{\circ}C$

Relative Humidity:10% ~ 95%

Atmospheric Pressure: 50kpa ~ 106kpa

Operation Temperature:5 $^{\circ}C$ ~ +40 $^{\circ}C$

Relative Humidity:20% ~ 85%(no condensation)

Atmospheric Pressure:57kPa ~ 106kPa

Storage Temperature:-20 $^{\circ}C$ ~ +55 $^{\circ}C$

System Inputs & Outputs

2*USB2.0/ LAN Connector/ SD Card Slot

Standard Package

iMAC 120 ECG Machine (with battery)

Patient Cable

Chest Electrodes

Limb Electrodes

Thermal Printing Paper

Power Cord

Grounding Wire

User Manual

Optional Accessories

Series Electrodes

Thermal Printing Paper

SD Memory Card

Lithium Battery

Workstation Software

Trolley

Laser Printer

Scanner

Card Reader

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ZONcare

iMAC 120

Digital Twelve Channel ECG Machine

Advanced Function

- External laser printer to output the A4 report
- Scanner, card readers and other patient information input devices
- Wireless WiFi function
- GLASGOW ECG Algorithm can make precise diagnosis according to patient age, gender, racial taking medicine history, etc. especially for AMI, Ventricular Fibrillation, Ventricular Tachycardia, quarterly Bradycardia, malignant arrhythmia, etc.

Certificates

Quality Standards

ISO9001

ISO13485

CMD

CE

Design Standards

EN60601-1 & EN60601-1-2

EN60601-2-25

EN60601-1-4 & EN62304

EN ISO13485 & EN ISO10993-1

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