

Digital Three-Channel ECG Machine

Overview

Simultaneously 12-Lead Acquisition
5 Inch HD LED Screen with Standard Grid
Background
Layout:
3x4, 3x4+1, 6x2, 6x2+1, 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, GDI
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
party 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

Technical Specification

Frequency Response: 0.01 ~ 350Hz
Time Constant: $\geq 3.2s$
ARR: $\geq 115dB$
Patient Leakage Current: $\leq 10\mu A$

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

Input Circuit: $\leq 50\mu A$

Noise Level: $\leq 15\mu V_{p-p}$

Sensitivity valve: $20\mu V$

Polarization Voltage: $\pm 950mV$

A/D shift: 24 bits

Sampling rate : 32000Hz / channel

Sensitivity: 2.5, 5, 10, 20, 40 auto
 $mm/mV \pm 3\%$

Paper Speed: 5, 6.25, 10, 12.5, 25, 50mm/s
 $3\pm\%$ (6 levels adjustment)

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

Paper Type: Z-Fold Paper or Roll Paper

Paper Size: 80m/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: 260mm \times 180mm \times 55mm
about 1.3 kg

Package: 420mm*330mm*250mm; 3.6kg

Electrical Power:

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

DC: Built-in Lithium Battery

Battery Capacity:

14.8V / 1900mAh

Continuous Operating:

AC $\geq 8h$ & DC $\geq 6h$

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. 1000 sets; support SD card, USB

Environmental Conditions:

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

Relative Humidity: 10%~95%

Atmospheric Pressure: 50kpa ~106kpa

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

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

Atmospheric Pressure: 57kPa~106kPa

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

System Inputs & Outputs

2*USB2.0/ LAN

Standard Package

IMAC 300 ECG Machine (with battery)

Patient Cable

Chest Electrodes

Limb Electrodes

Thermal Printing Paper

Power Cord

Grounding Wire

User Manual

Paper Roller

Optional Accessories

Series Electrodes

Thermal Printing Paper

Lithium Battery

Workstation Software

Trolley

Laser Printer

Paper Roller

Scanner

Card Reader

Suitcase