

# ZONCARE

## ZQ-1206

### Digital Six Channel ECG Machine



#### Overview

Standard/Cabrera 12-Leads  
7" LCD Color Screen  
Simultaneously 12-Leads Acquisition  
Manual/auto 3CH, 3CH+1R, 3CH+2R,  
6CH, 6CH+1R display  
Manual/auto 6-Channels Simultaneously-  
Printing (without distortion)  
Electrode Disconnection Alarm (Diagram)  
Automatic measurement & analysis  
5minutes arrhythmia analysis  
Security type: I type CF

#### Technique Specification

Sampling rate: 8000Hz (1ms)  
Frequency Response: 0.05 ~ 150Hz  
(-3dB)  
Time Constant:  $\geq 3.2s$   
CMRR:  $> 100dB$   
Patient Leakage Current:  $< 10\mu A$   
Input Mode: floating input  
Input Circuit:  $< 50\mu A$   
Noise Level:  $\leq 12\mu V_{p-p}$   
Sensitivity valve:  $20\mu V$   
Polarization Voltage:  $\pm 600mV$   
Calibration Voltage:  $1mV \pm 2\%$   
Continuous Operating: AC  $\geq 10h$  &  
DC  $\geq 3h$   
A/D shift:  $\geq 20$   
Input Impedance:  $\geq 50 M\Omega$   
Sensitivity: 1.25, 2.5, 5, 10, 20, 40  
mm/mV  $\pm 2\%$   
(6levels/automatic adjustment)  
Paper Speed: 5, 6.25, 10, 12.5, 25, 50mm/s  
 $\pm 3\%$  (6 levels adjustment)  
Recording Mode: Thermal array printer  
8 dot/ mm (Vertical)  
40 dot/ mm (Horizontal, 25mm/s)  
Paper Size:

112mm $\times$ 20mm, thermal roll paper

Filter:

AC: 50/60Hz (-20dB);  
EMG: 25/35Hz (-3dB);  
Drift: 0.15Hz - 0.5Hz  
High Frequency: 70Hz/100Hz/150Hz

#### Physical Specification

Dimension & weight

Equipment:

270mm $\times$ 270mm $\times$ 75mm; 2.5kg

Package:

375mm $\times$ 365mm $\times$ 230mm; 4.5kg

Monitor

7" High-resolution Color LCD Screen

Electrical Power

AC: 220V $\pm 10\%$ , 50Hz/60Hz

DC: Built-in rechargeable battery

Data Storage: Max. 500 sets

Environmental Conditions

Transportation Temperature: -20 $^{\circ}C$  ~ +50 $^{\circ}C$

Relative Humidity: 10% ~ 95%

Atmospheric Pressure: 700hPa ~ 1060hPa

Storage Temperature: -20 $^{\circ}C$  ~ +50 $^{\circ}C$

Relative Humidity: 10% ~ 95%

Atmospheric Pressure: 700hPa ~ 1060hPa

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

Relative Humidity: 25% ~ 80%

Atmospheric Pressure: 700hPa ~ 1060hPa

#### System Inputs & Outputs

RS-232/ USB2.0/ RJ-45/ SD Interface

Audio Output Interface

#### Standard Package

ZQ-1206 ECG Machine (with battery)  
Patient Cable  
Chest Electrodes  
Limb Electrodes

Thermal Printing Paper  
Power Cord  
Grounding Wire  
User Manual  
Paper Axis

#### Optional Accessories

Series Electrodes  
Thermal Printing Paper  
SD Memory Card  
Lithium Battery  
Workstation Software  
Workstation Trolley  
Laser/Inkjet Printer  
Paper Axis

#### Certificates

Quality Standards

ISO9001

ISO13485

CMD

CCC

Design Standards

EN60601-1 & EN60601-1-2

EN60601-2-25 & EN60601-2-51

EN60601-1-4 & EN62304

EN ISO13485 & EN ISO10993-1

CE Declaration

ZQ-1206 has been assessed with respect to the conformity assessment procedure described in Article 11.3.a and Annex II excluding section 4 (Module H) of Council Directive 93/42/EEC on Medical Devices, as amended, and found to comply.

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