

# Electrocardiograph

## 6 Channel



### ECG-3306G



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The **ECG-3306G** is a reliable and classical 6 channel electrocardiograph, helping clinicians make fast and accurate ECG diagnosis. It can be widely used in various medical institutions or occasions. The friendly configuration and practical design provides users with very good using experience.

#### DIAGNOSIS

Fast and accurate ECG diagnosis for adult and pediatric patient.

#### OPERATION

Ergonomic design, rich menu setting and good usability.

#### PERFORMANCE

Stable performance, durable and reliable, with good market history.

#### ANALYSIS

Auto interpretation, can analyze over 200 types of abnormal ECG.

#### DATA MANAGEMENT

Practical data transmission function, external USB flash disk storage.

#### POWER SUPPLY

Low-power consumption design and long battery working time.

# Product Features

- **Sampling and Analysis**

Acquisition and record standard 12 lead ECG simultaneously ( I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6 ).

Sampling rate 32000Hz.

High accuracy digital filter system. Automatic base line adjustment.

Accurate pulse pace identification function.

Excellent auto-interpretation function can analyze over 200 types of abnormal ECG for reference. ( Analysis data base: Minnesota Code ).

- **ECG Record**

High resolution thermal printing system.

Four working modes: Auto, Manual, R-R, Store, to meet different clinical requirements.

Recording format: 3chx4+R, 6chx2, 6chx2+R and 1 minute of rhythm lead record.

Printing paper size: 112mmx27m, roll paper.

- **Patient Information and File Management**

Easy to input and edit patient information via touch screen.

Can record detailed patient information, including name, ID, gender, age, height, weight, blood pressure and hospital name.

Can store, replay and edit 250 ECG cases with internal memory card.

Patient ECG report can be transferred to external USB disk ( optional ).

- **Display and Keypad**

800x480 graphic, 7 inch color LCD to display detailed ECG waveform and working status ( lead waveform, patient information, sensitivity, paper speed, filter, date and time, HR., battery level, errors, and etc. )

With touch screen for fast operation.

One-key operation to support fast ECG examination.

- **Power Supply**

Rechargeable Lithium battery, 2200mAh, 14.4V, support to continuously work about 9 hours.

Low-power consumption and fast charging design, about 2.5 hours to charge full.

Automatic voltage regulation design, adapt for power supply of 110-230V, 50/60Hz.

- **Physical Design**

Compact and ergonomic design, easy to carry and operate.

Proper size and weight, very convenient for mobile diagnostics.

Measurement: 300mmx230mmx75mm, 2.8kgs.

- **Interface and Communication**

With UART and USB communication port.

Support transferring ECG files to external USB disk for storage (optional).

Support connecting to computer to manage ECG data with PC ECG Management Software. (optional).

## Technical Specification

|                             |                            |                                                                                                                                |
|-----------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Main Unit                   | Lead                       | Standard 12 leads ( I, II, III, aVR, aVL, aVF, V1 to V6 )                                                                      |
|                             | Lead acquisition           | 12 leads synchronously acquisition                                                                                             |
|                             | Sampling rate              | 32000Hz                                                                                                                        |
|                             | Working mode               | MAN, AUTO, R-R, STOR                                                                                                           |
|                             | Filter                     | AC Filter: 50Hz / 60Hz / Off<br>EMG Filter: 25Hz / 45Hz / Off                                                                  |
|                             | CMRR                       | ≥120dB (with AC Filter)                                                                                                        |
|                             | Input circuit              | Floating; Protection against defibrillator effect                                                                              |
|                             | Input impedance            | ≥2.5MΩ (10Hz)                                                                                                                  |
|                             | Patient current leakage    | <10μA                                                                                                                          |
|                             | Frequency response         | 0.05-150Hz (-3dB)                                                                                                              |
|                             | Calibrating voltage        | 1mV±5%                                                                                                                         |
|                             | Sensitivity                | 2.5, 5, 10, 20, 40, mm/mV (±3%), Auto                                                                                          |
|                             | Paper feeding speed        | 6.25, 12.5, 25, 50mm/s(±3%)                                                                                                    |
|                             | Accuracy of data           | <±5% or <±40μV                                                                                                                 |
|                             | Time constant              | ≥3.2s                                                                                                                          |
|                             | AD conversion              | 12 bits                                                                                                                        |
|                             | Inter-channel interference | <2%                                                                                                                            |
|                             | Noise level                | <30μ Vp-p                                                                                                                      |
|                             | HR detection range         | 30-300 BPM (±1BPM)                                                                                                             |
| Pacing Pulse Identification | Amplitude                  | 2mV-250mV                                                                                                                      |
|                             | Width                      | 0.1ms-2.0ms                                                                                                                    |
|                             | Sampling rate              | 4000Hz/Channel                                                                                                                 |
| Recorder                    | Recording way              | Thermal dot matrix recording                                                                                                   |
|                             | Recording format           | 3chx4+R, 6chx2, 6chx2+R, 1 minute rhythm lead record                                                                           |
|                             | Paper specification        | 112mmx27m, roll paper                                                                                                          |
| Others                      | LCD display                | 800x480 graphic 7 inch color touch LCD                                                                                         |
|                             | Patient cases storage      | 250 patient cases ( Internal SD card is optional )                                                                             |
|                             | Communication interface    | USB, UART                                                                                                                      |
|                             | AC power supply            | Rated voltage/capacity: 14.4V, 2200mAh, Lithium battery                                                                        |
|                             | DC power supply            | Rated charging current: 1300mA<br>Rated charging cycle number: not less than 500 times                                         |
|                             |                            | 110-230V (±10%), 50/60Hz (±1Hz), power 60VA                                                                                    |
|                             | Fuse specification         | TZAH/250W, φ5X20                                                                                                               |
| Environment                 | Measurement and weight     | 300mm*230mm*75mm, 2.8kgs                                                                                                       |
|                             | Working Environment        | Ambient temperature: +5°C ~ +40°C<br>Relative humidity: 25% to 80% (no condensation)<br>Atmospheric pressure: 700hPa ~ 1060hPa |
|                             | Storage Environment        | Ambient temperature: -20°C ~ +55°C<br>Relative humidity: 25% to 93%<br>Atmospheric pressure: 700kPa~1060kPa                    |

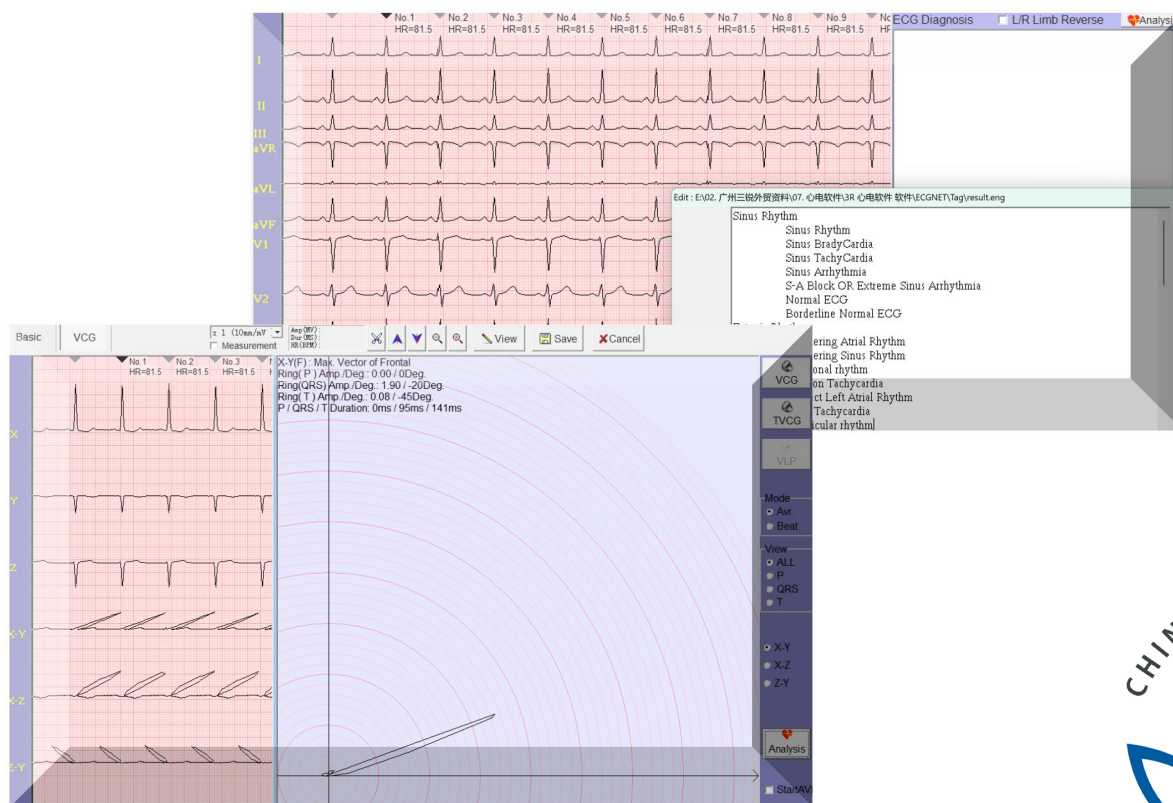


## Standard Packages

|                                |        |
|--------------------------------|--------|
| * ECG Machine                  | 1 unit |
| * Patient Cable                | 1 pc.  |
| * Limb Electrodes (4pcs./set)  | 1 set  |
| * Chest Electrodes (6pcs./set) | 1 set  |
| * Power Cable                  | 1 set  |
| * Grounding Cable              | 1 pc.  |
| * Paper Axis                   | 1 set  |
| * Thermal Paper (112mmx27m)    | 1 pc.  |
| * Fuse                         | 2 pcs. |
| * User Manual                  | 1 pc.  |

## Optional Functions

- Use the PC ECG Management Software to manage ECG date on computer ( acquisition of real-time ECG, edit, import, save, print and transfer ECG report, VCG examination and etc. ).
- Transfer ECG data to USB disk for storage, then upload data to computer for management.
- Connect to a bar-code scanner to scan patient ID.



For more product information, welcome to contact us !