

# SK-EM103

## 12-CHANNEL ECG



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## FEATURES AND HIGHLIGHTS

### Printing system

High-resolution thermal array printing, with adjustable print density of 1-10 levels, producing realistic and delicate waveform and character effects. Suitable for capturing ECG waveforms of adults, children, and newborns.

Baseline stability detection ensures that neat and beautiful ECG waveforms are printed every time.

Prints on 215mm thermal paper, with clear and accurate records of uncompressed ECG waveforms of three, six, and twelve leads, lead labels, sensitivity, paper speed, filter settings, analysis reports, and other information, which can be used for clinical diagnosis and research.

### Other Features

Automatic mode can automatically adjust the waveform sensitivity, and the recording time for each set of leads can be set between 3 to 12 seconds.

### Baseline width

The baseline width can be adjusted from level 1 to 4, allowing for the creation of neat and beautiful ECG waveforms according to personal preference.

## Technical parameters

Product weight	GW: 6kg, NW: 3.5kg
Leads	standard 12 leads
Sampling rate	14 bits/1000Hz (12-lead synchronous acquisition)
Printing paper specifications	215mm*25mm
Paper speed	6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s ( $\pm 3\%$ )
Sensitivity	10mm/mV (AUTO), 2.5mm/mV, 5mm/mV, 10mm/mV, 20mm/mV
Common Mode Rejection Ratio	$\geq 100\text{dB}$ (with AC filter)
Input loop current	$\leq 0.1\mu\text{A}$
Translation: Patient leakage current	$< 10\mu\text{A}$
Calibration voltage	$1\text{mV} \pm 2\%$
Polarization resistance voltage	$\geq \pm 500\text{mV}$
Time constant	$\geq 3.2\text{s}$
Frequency response	1Hz~150Hz
Noise level	$< 15\mu\text{Vp-p}$
Sensitive threshold	$\leq 20\mu\text{V}$
Interference between channels	$\leq 0.5\text{mm}$
Data storage	Comes with 20 default storage capacity; optional large capacity memory can store up to 10100 cases.



### Shell material

Brand new ABS engineering plastic mold injection molding.



### Handle

Retractable handle design, comfortable to hold and easy to store.



### Power supply

Dual-use AC/DC power supply, built-in rechargeable lithium battery



### Internal structure

Adopting aluminum-magnesium alloy bracket, stable and reliable, with good shock resistance and easy to move.



### Design

The appearance design is simple and elegant, light and easy to carry, and has complete functions.



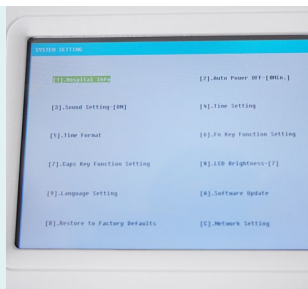
### Data interface

Built-in USB interface, supports direct insertion of USB flash drive to copy data; can convert ECG data into images in batches and upload them to USB flash drive for viewing and printing directly by connecting to a computer and printer.



### Screen design

The 7-inch color LCD liquid crystal display shows waveform, menu (paper speed, gain, filter status, etc.), patient information (ID number, name, gender, age), and working status. The brightness of the LCD display screen can be adjusted to 1-8 levels, suitable for use in various lighting conditions.



### Operation interface

The operation interface is available in both Chinese and English. The display can be set to show 3/6/12 leads simultaneously, and the grid and waveform size can be adjusted on the screen for easy observation by medical staff. The device can record 1 lead, 1+ rhythm, 3 leads, 6 leads, and 12 leads in both manual and automatic modes.



### Keypad

High-quality silicone full keyboard keys with a long lifespan and good tactile feel. Supports full keyboard patient information and hospital name input in both Chinese and English, with quick switching between uppercase and lowercase.





## **CONSTANT INNOVATION**



Design



Research



Manufacturing



Maintenance



Service

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Company video



General catalogue