

Three Channel ECG Machine E3

5" Color LCD Big Screen

- Simultaneously 12-Leads Acquisition with interpretation.
- 3/6/12 leads can be set freely for synchronous display, and the waveform size can be adjusted to facilitate observation by medical staff.
- Adopting digital isolation technology, the processor performs drift suppression, AC filtering, electromyography filtering, and heart rate detection on the electrocardiogram signal to ensure the authenticity and reliability of the output signal.
- 800*480 resolution LCD display brightness level 1-8 can be adjusted freely, suitable for use in a variety of light conditions.

Features

- The digital isolation technology is used to suppress the drift of ECG signal, AC filter, EMG filter and heart rate detection by the processor to ensure the authenticity and reliability of the output signal.
- It has the function of automatic measurement of conventional ECG parameters (more than 200 cases), which can reduce the burden of doctors. Automatic mode and manual mode are available.
- Baseline stability test, ensure that each time can be printed out neat and beautiful ECG waveform.
- Manual/auto 1,1+1,3CH display.
- Manual/auto working modes.

Print System

- High resolution hot spot array printing, printing concentration 1-10 level can be set freely, printing waveform and character effect realistic and delicate.
- It is suitable for adult, children and newborn ECG waveform acquisition.
- Print 80mm thermal paper, which can record clear and accurate 3 uncompressed

ECG waveform and lead mark,sensitivity, paper speed, filter, analysis report and other information, which can be used for clinical diagnosis and research.

Keyboard keys

- High quality silicone full keyboard buttons, long lifespan and good hand feel.
- Support full keyboard patient information, fast input of hospital name in multiple languages, and quick switching between uppercase and lowercase.

Interface Function

- Input the patient information quickly, you can modify the patient information.
- Support U disk and SD card to access data..

Technical Specification

- Sampling rate: 1000Hz
- Frequency Response: 0.05 ~ 150Hz
(-3dB)
- Time Constant: $\geq 3.2s$
- CMRR: > 100dB
- Patient Leakage Current: < 10 μA
- Input Mode: floating input
- Input Circuit < 50 μA
- Noise Level: $\leq 15\mu Vp-p$
- Sensitivity valve: 20 μv
- Polarization Voltage: $\pm 500mV$
- Calibration Voltage: 1mV $\pm 2\%$
- Continuous Operating: DC $\geq 3h$.
- A/D Converter: 14bit
- Input Impedance: $\geq 50 M\Omega$
- Sensitivity: 2.5,5,10,20mm/mv

- $\pm 2\%$ (4 levels/automatic adjustment)
- Paper Speed: 6.25,12.5,25,50mm/s
- $\pm 3\%$ (4 levels adjustment)
- Recording Mode: Thermal array printer
- 8 dot/mm (Vertical)
- 40 dot/mm (Horizontal, 25mm/s)
- Paper Size: 80mmx20m, roll paper
- Filter:
- AC: 50/60Hz (-20dB)
- EMG: 25/35Hz (-3dB)
- Drift: 0.15Hz - 0.5Hz
- High Frequency: 70Hz/100Hz/150Hz

Physical Specification

- Electrical Power
- AC: 100-240V, 50Hz/60Hz
- DC: Built-in rechargeable battery 14.8V
- Data Storage: 20 cases
- Environmental Conditions
- Transportation Temperature: -20°C~ +50°C
- Relative Humidity: 10% ~ 95%
- Atmospheric Pressure: 700hPa ~ 1060hPa
- Storage Temperature: -20°C~ +50°C
- Relative Humidity: 10% ~ 95%
- Atmospheric Pressure: 700hPa ~ 1060hPa
- Operation Temperature: +5°C ~ +40°C
- Relative Humidity: 25% ~ 80%
- Atmospheric Pressure: 700hPa ~ 1060hPa

Optional:trolley