

Mediblu

ME12P

Digital Electrocardiograph



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ME12P is a new type of 12-channel ECG which has made a lot of improvement in the key ECG technologies of quickness, accuracy and stability as well as the streamlined workflow. It applies a new platform for ECG signal acquisition, which can well perform in interference reduction, fast waveform display and right-level of filtering. It caters for the hospitals and busy clinics where ECG volume is high, speedy and quality-demanding.

- 8.9 inch TFT LCD touch screen, with high resolution 1280x768
- 60 degree viewing angle adjustable
- Full alphanumeric waterproof silicon keyboard

Abundant Peripheral interfaces:

- VGA port for connecting external monitor
- LAN port for real-time data transmission
- USB ports for data storage or barcode scanner
- SD card for data storage or software upgrade

Technical Specifications

ECG interpretation	ME12P Digital Electrocardiograph ECG analysis program for adults and pediatrics
Acquisition mode	Simultaneous standard 12-lead in pre-acquisition or post-acquisition
A/D conversion	24 bit
Sampling rate	8,000 samples/second/channel
Frequency response	0.05 Hz~250 Hz
Common mode rejection ratio	>105dB
Polarization voltage	± 550 mV
Input circuit	Floating circuit input
Input impedance	≥50 MΩ
Input CIR current	≤0.1 μA
Patient leakage current	<10 μA
Time constant	≥3.2 s
Noise level	≤15 μV _{p-p}
Sensitivity threshold	≤20 μV
Calibration voltage	1 mV±5 %
Filter setting	EMG filter: 25 / 35 / 75 / 100 / 150 / 250Hz Baseline wander filter: 0.01 / 0.02 / 0.05 / 0.35 / 0.5 / 0.8Hz
AC filter	50Hz, 60Hz
Heart rate range	30~300 bpm
Acquisition time	10~24 seconds

Display specifications

Display type	8.9 inch TFT LCD with touch screen
Display resolution	1280×768

Dimensions and weight

Length × width × height	345 mm × 260 mm × 128.5 mm
Weight:	About 3.4 kg

Power supply

AC power supply	AC / DC 100 V~240 V, 50 Hz /60 Hz, 110 VA
Battery power supply	Rechargeable lithium battery, 14.8 V, 4400mAh

Recorder specifications

Recorder resolution	8 points/mm (perpendicular) 40 points/mm (horizontal, 25 mm/s)
Recorder speed	(5, 6.25, 10, 12.5, 25, 50) mm/s±5 %
Recording paper	Z- fold paper: 210mm×150mm×140p

Standard software specifications

Measurement values	HR, PR interval, QRS duration, QT/QTc interval, P/QRS/T axis, RV5/SV1 voltage,
DEMO mode	Normal ECG, Arrhythmia ECG
QTC formula	Bazett, Fridericia, Framingham, Hodges
Data format	ECG, DICOM, XML, JPEG, PDF

External peripheral use

Patient cable socket
SD card port
Two USB port
LAN port
VGA port

