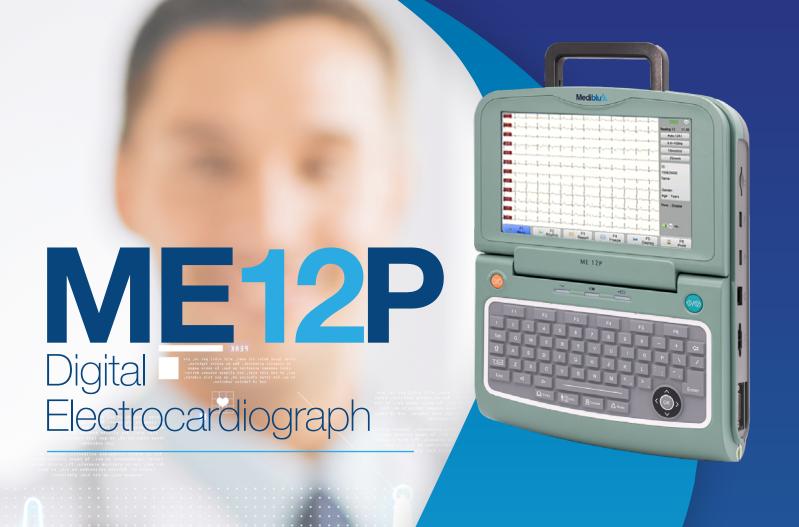# Mediblu

ME12P
Digital Electrocardiograph

ME12P

Digital Electrocardiograph

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 μVp-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, RV5+SV1 voltage
DEMO mode	Normal ECG, Arrhythmia ECG
QTC formula	Bazett, Fridercia, Framingham, Hodges
Data format	ECG, DICOM, XML, JPEG, PDF

External peripheral use

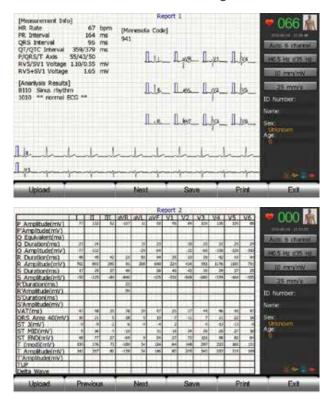|	
	Patient cable socket SD card port Two USB port LAN port VGA port

Mediblu

Pacemaker Detection

- Through ECG waveforms display and analysis, doctors can determine the pacemaker type and work status through the ECG analysis.
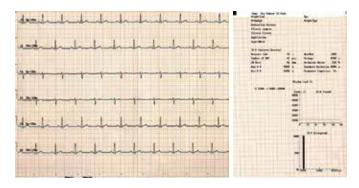

Preview Function

- Doctors can preview the waveforms and analysis result directly on the screen then to decide whether to print or not, good for faster treatment and cost-saving.
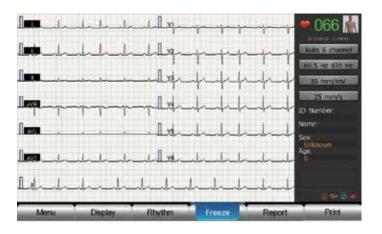

R-R Analysis

- 30-300 seconds for R-R analysis, better in arrhythmia diagnosis
- Up to 200 kinds of arrhythmia analysis

Waveform Freezing

- 300 seconds for waveform freezing and cine-loop, any 10 seconds selectable for analysis and print;
- It is significant when testing Children, fracture patients, aged people whose skin is too dry to connect the electrodes and so on.