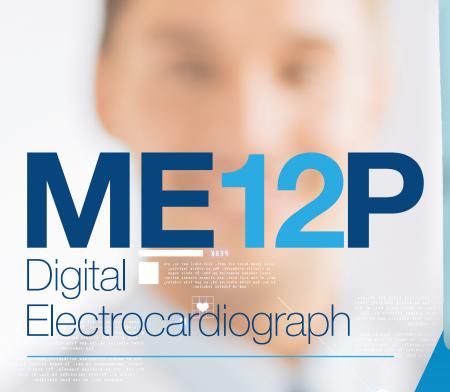
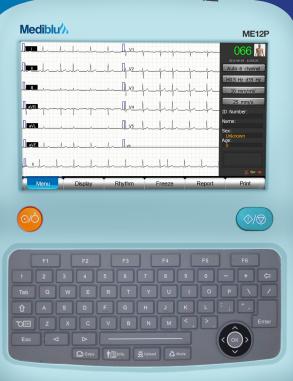
Mediblu >

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 B

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 >105dB

rejection ratio

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 $\geq 3.2 \text{ s}$ Noise level $\leq 15 \mu V_{p-p}$

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 \times width \times 345 mm \times 260 mm \times

height 128.5 mm

Weight: About 3.4 kg

Power supply

AC / DC

AC power supply 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, Fridercia,

Framingham, Hodges

Data format ECG, DICOM, XML,

JPEG, PDF

External peripheral use

Patient cable socket

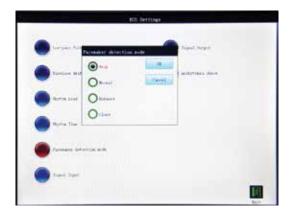
SD card port Two USB port LAN port

VGA port



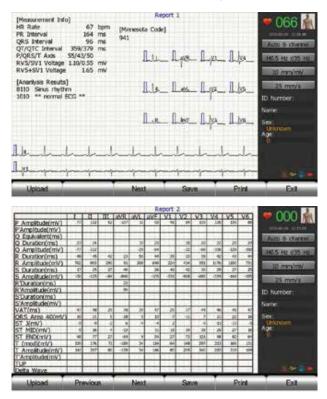
Pacemaker Detection

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



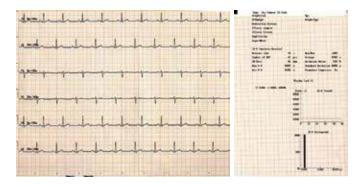
Preview Function

 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.



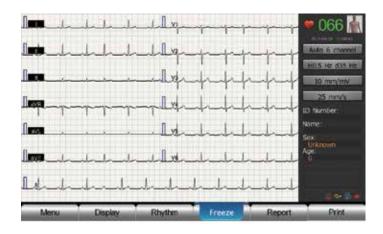
R-R Analysis

- 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.



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