

Mediblu

# ME3

Digital Electrocardiograph



# ME3

## Digital Electrocardiograph



**ME3** has outstanding performance and features which are only available in high-priced systems, which will lead **ME3** to receive widespread among the clinics, physical examination centers, small hospitals and labs without a doubt.

### Easy to use

- 5.1 inch high-resolution LCD, adjustable brightness and contrast
- Durable and comfortable silicon keys
- Rechargeable lithium battery for 2.5 hours operation
- Peripheral ports: SD card, USB

### File Management Solutions

- Up to 20 files internal storage
- Unlimited files with external SD card
- USB port for data transmission to PC

## Technical Specifications

ECG interpretation	ME3 Digital Electrocardiograph ECG analysis program for adults and pediatrics
Acquisition mode	Simultaneous standard 12-lead acquisition
A/D conversion	24 bit
Sampling rate	8,000 samples/s
Frequency response	0.05 Hz~250 Hz
Common mode rejection ratio	>115dB
Polarization voltage	± 500 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	≤12.5 μV <sub>p-p</sub>
Sensitivity threshold	≤20 μV
Calibration voltage	1 mV±3 %
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	5 inch TFT LCD
Display resolution	800×480

## Power supply

AC power supply	AC / DC 100 V~240 V, 50 Hz /60 Hz, 80 VA
Battery power supply	Rechargeable lithium battery, 11.1V, 2600mAh

## Recorder specifications

Recorder resolution	8 points/mm (perpendicular) 16 points/mm (horizontal, 25 mm/s)
Recorder speed	(5, 6.25, 10, 12.5, 25, 50) mm/s±5 %
Recording paper	80 mm, roll paper

## Standard software specifications

Measurement values	HR, PR interval, QRS duration, QT/QTC interval, P/QRS/T axis, RV5/SV1 amplitude, RV5+SV1 amplitude.
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  
Two USB port  
LAN port

## Dimensions and weight

Length × width × height	281 mm × 191 mm × 59 mm
Weight:	About 1.3 kg

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ME3 | V-001 | October2017