



ME1200

12 CHANNEL ECG MACHINE



Quality, Management, Environment, Health & Safety Standards



CDSCO Certified



USFDA Listed



European CE



ISO 13485:
NABCB/IAF



ISO 9001: IAF



7 Electric Safety
Certifications

INTRODUCTION

The ME1200 12-CHANNEL ECG MACHINE is a cutting-edge, high-performance electrocardiograph designed to provide accurate and reliable diagnostic results. With its advanced 12-channel technology, this machine enables healthcare professionals to capture and analyze comprehensive ECG data, facilitating timely and informed decision-making. The ME1025 ECG 12-Channel Machine is an essential tool for healthcare professionals seeking to provide high-quality patient care and stay at the forefront of cardiac diagnostics.

CERTIFICATION

USFDA Listed with FEI Code, CDSCO Certified, European CE, CE, ISO 13485 from NABCB under IAF, ISO 9001 (IAF), ISO 14001 (IAF), ISO 45001 (IAF), Electric Safety Standards IEC 60601-1-2:2014, IEC 61000-6-1:2016, IEC 60335-2-24:2020, IEC 60335-1:2020, IEC 60364-1:2005, WHO GMP, IP 69, BIFMA, ASTM (Anti Corrosion), EN 13523-26, ISO 13849-1 and Many more.

FEATURES



Design patent, software copyright patent.



Full keyboard, touch screen operation.



Advanced Might-gold algorithm for automatic accurate measurements and interpretation.



Sampling rate up to 16000Hz, pacemaker detection.



Supporting 9/12-lead ECG configurable.



Supporting accurate digital filter to decrease the polarization voltage and other interference.



Save up to 1000 ECG records internally, expandable with SD card and USB flash-disk.



Advanced ECG analysis: VCG/TVCG/VLP/HRV/Pharmacological Study optional.



Support DAT, SCP, PDF, XML, DICOM and worklist, connecting with HIS seamlessly optional.



Optional two Lithium-ion batteries, suitable for different applications.



Support external USB printer, Keyboard, Mouse, Bar-code scanner etc.



Data transfer to PC directly by Ethernet, USB or Wi-Fi optional.



Data upload automatically through FTP or Might-net ECG management system.

SPECIFICATIONS

REQUISITION SPECIFICATIONS	
Leads	9 / 12 leads
Sampling Frequency	16,000 Hz
A/D Resolution	24 bits
Heart Rate (HR) Range	30 – 300 BPM
Accuracy	±1 BPM
Time Constant	≥ 3.2 seconds
Input Circuit Current	≤ 0.01 μ A
Input Voltage Range	< ±5 mVp-p
DC Offset Voltage	±600 mV
Input Impedance	≥ 50 M Ω (at 10 Hz)
CMRR (Common Mode Rejection Ratio)	≥ 120 dB
Frequency Response	0.01 – 300 Hz (+0.4 dB / –3.0 dB)
Noise	≤ 12.5 μ V (peak-to-peak)
AC Filter	50 Hz / 60 Hz / Off
DFT Filter	0.01 Hz / 0.05 Hz / 0.32 Hz / 0.67 Hz
EMG Filter / Low-pass	25 Hz / 35 Hz / 45 Hz / 75 Hz / 100 Hz / 150 Hz / 270 Hz / 300 Hz
Pacemaker Detection	Amplitude: ±750 μ V ~ ±700 mV Width: 50 μ s ~ 2.0 ms Sampling Frequency: 16,000 Hz

PRINTER SPECIFICATIONS	
Parameter	Specification
Gain	2.5mm/mV, 5mm/mV, 10mm/mV, 20mm/mV, 10/5mm/mV, AGC ±5%
Speed	5 mm/s, 6.25 mm/s, 10 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s (±3%)
Recorder	Thermal dot-matrix recorder
Printing Density	8 dots/mm or 200 dpi (amplitude axis); 40 dots/mm or 1000 dpi (time axis @25mm/s)

PHYSICAL SPECIFICATIONS

Dimension	369 × 260 × 83 mm
Weight	3.9 kg

DISPLAY SPECIFICATIONS

Resolution	1024 × 600 (e1200)
Type	7-inch TFT screen (e1200)
Operation	Touchscreen

POWER SPECIFICATIONS

Power Supply	AC input, 100V–240V
AC Frequency	50/60 Hz
Battery	Rechargeable Lithium-ion, 2200 mAh
Option	Rechargeable Lithium-ion, 2200 mAh × 2 pcs (optional)

ELECTRICAL SAFETY & PROTECTION

Anti-electric-shock Degree	CF type, defibrillation-proof, Class I equipment
Defibrillation Recovery Time	≤5 seconds
Patient Leakage Current	NC: ≤10 μA (AC) / ≤10 μA (DC) SFC: ≤50 μA (AC/DC)
Patient Auxiliary Current	NC: ≤10 μA (AC) / ≤10 μA (DC)

CERTIFICATIONS

Quality, Management, Environment, Health & Safety Standards



**50 Products
CDSCO Certified**



USFDA Listed



**8 products tested by a
WHO-accredited laboratory**



European CE



NABCB: ISO 13485



ISO 9001: IAF



ISO 14001: IAF



ISO 45001: IAF



**7 Electric Safety
Certifications**



WHO GMP



**BIFMA Certified,
BIFMA Level 3**



**ASTM- Corrosion
Free Products**



ISO 2409

**EN 13523-26,
ISO 13849-1,
IP 69, IP 65**

& many other...

ALL-IN-ONE SOLUTION FOR

Cold Chain Solution
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Blood Bank Equipment

Hospital & Scientific Equipment
Hospital Furniture & Infrastructure
Commercial Refrigeration



25+

Years of Excellence



350+

Product Range



500+

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1000+

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Authorized Distributor Details