



medical **ECONET**  
GERMANY



## CARDIO E3

Affordable versatile 3-channel ECG

- 7" high resolution foldable color LCD
- Direct DICOM => German catalogue : GDT
- Direct printing by various PCL6 compatible printers
- 10,000 ECGs data storage with internal memory.
- Support keyboard, mouse and barcode scanner
- 5 hours working time with a battery

## Specifications

Main Machine	
Lead	Standard 12 Leads
Sampling Method	12 leads simultaneously
Measurement Parameter	HR, PR interval, QRS duration, QT/QTc, R/ QRS/T electric axis, RV5/SVI amplitude
Input Method	Floating Ground input with defibrillator protection
Recording Mode	Manual Mode (Manual 1, Manual 2, Manual 3, Manual 6, Manual 12) Rhythm Mode Auto Mode:: (3CHx4, 3CHx4+1R, 3CHx4+3R, 6CHx2, 6CHx2+1R, 12CHx1)
Filter	AC Filter: 50 Hz/ 60 Hz/ Off EMG Filter: 20Hz/25Hz/30Hz/35Hz/40Hz/45Hz/OFF DFT Filter: 0.05Hz/ 0.15Hz/ 0.25Hz/ 0.32Hz/ 0.5Hz/ 0.67Hz/ ADS/ OFF
Input Circuit Current	≤0.1 μA
Input Impedance	≥50 MΩ (10 Hz)
Patient Leakage Current	<10μA
Time Constant	≥3.2 s
Frequency Response	0.05~150 Hz (-3 dB)
Noise Level	≤15 μVp-p
Paper Speed	5mm/s, 6.25 mm/s, 10mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s, Tolerance ≤ ±5%
Standard Sensitivity	10 mm/mV±0.2 mm/mV
Sensitivity	2.5 mm/mV, 5 mm/mV, 10 mm/mV, 20 mm/mV, Tolerance ±5%
Polarization Voltage	±300mV
Internal calibration voltage	1 mV±5%
CMRR	>98 dB
Recorder	
Recording Method	Thermal matrix printing
Resolution	≥8 dots/mm(Vertical) ≥ 32 dots/mm (25 mm/s) , ≥16 dots/m (50 mm/s) (Horizontal)
Recording Paper	80mm width rolled paper

Display	
Display	7" color LCD screen, 800 x 480 pixels
Display information	Paper Out, Lead Off Alarm, Operation Manual, Patient Information, Battery Volume, Date and Time, Heart Rate, Working Mode, Paper Speed, Gain, Filter
Others	
Leads	Standard 12 leads with defibrillator protection
Safety Level	Class I, CF Type
Power Supply	AC: 100~240 V, 50/60Hz, 30 VA~100 VA DC: 14.8 V/2200 mAh, built in rechargeable lithium battery When the battery is fully charged, it can work normally about 5 hours, and it can continually print about 3 hours in the manual mode or print about 600 ECG reports of 3x4+1R in the auto mode Necessary battery charge time is 5 hours from depletion to 90% charge in normal use.
Fuse Specification	2-φ5x20 mm AC Time-delay Fuse T1 A/250 V
Dimension and Weight	
Dimension	310 x 244 x 65 mm
Weight	Net weight: approx. 2.1 kg Gross Weight: approx. 4.4 kg



LAN - Connection



SD Card - Connection