

E80

12-Channel Electrocardiograph



- ✦ 12.1 inch color TFT display, high resolution.
- ✦ Data management of 300 groups patient data
- ✦ Support saving data on SD card or USB flash disk.
- ✦ Alphanumeric keyboard, individual capital and numeral key.

Size and Weight:

Size: 400mm×330mm×100mm (W×H×D)
Weight: ≤ 7Kgs

Display:

Type: 12.1" Color TFT LCD
Resolution: 800*600 pixels

Power Supply:

Input voltage: AC: 100V~240V, 50Hz/60Hz
Input power: 60VA
Standard: Comply with IEC 60601-1 & IEC 60601-1-2

Battery

Type: 11.1V 4000mAh rechargeable lithium ion battery
Operating time: Used continuously for 3 hours (print 400 shares of cardiogram)
Charge time: 8 hours
Indication of battery capability: With

Input/Output Specification

Keyboard : Standard PC104 (position)
Touch screen: Option
Network connector: 1 X RJ-45 socket
USB connector: 2 X USB Host (support hot-swap)
SD card: 1 X Standard SD card socket

Data Storage

Fixed Memory:100 groups of ECG data
Optional Memory: SD card or U disk
Storage mode: Background storage automatically
Storage format: xml

Recorder

Recording way: Thermal dot array
Horizontal resolution: 40 dots/mm
Vertical resolution: 8 dots/mm
Recording speed:5 mm/s, 6.25 mm/s, 10 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s, error: ±3%.
Recording linearity: ≤0.5mm/30M
Paper length: 295mm/280mm
Paper width: 210mm/216mm
Paper type: Folded thermo sensitive printing paper
Reel thermo sensitive printing paper
Recording precision: ±5% (X axes) , ±5% (Y axes)
Recording type: more than 10 kind of printing methods. (3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 12×1, Manual 3 path, Manual 6path, manual 12path, single-lead rhythm, three-leads rhythm and so on) .

Measure and Diagnosis of ECG Waveform

HR range: 30bpm -350bpm
HR precision: ±1bpm (10s average)
Coefficient error: ≤5%, 0.333
Measure info of ECG waveform : P time limit, PR interphase, QRS time limit, QT interphase, QTC interphase, RR interphase, RV5swing, SV1swing, RV6swing, SV2swing, RV5+SV1swing, P axis, QRS axis , T axis.
Diagnosis analyze: ≥140 kinds

Display of ECG Collection

Signal input: 12-Lead, defibrillator-proof, Pacemaker pulse rejection
Degree of protection against electric shock: 4000V, Type CF applied part
Polarization voltage resistance: ≥±500mV
Response to frequency: 0.05Hz -150Hz (-3dB)
Baseline filter: 0.05Hz, 0.15Hz, 0.25Hz, 0.5Hz
ECG filter : 25Hz, 35Hz, 45Hz
Lowpass filter: 75Hz, 100Hz, 150Hz
Gain selection:2.5, 5, 10, 20, 10/5, AGC (mm/mV)
Gain accuracy: ±5%
Time base selection: 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s
Input impedance: ≥50MΩ (10Hz)
Current of input loop: ≤50 n A
Patient leakage current: ≤10 μ A
CMRR: ≥109 dB (with AC filter)
Time for response to wave displaying: ≤5s
Time for baseline recovered after switching leads: ≤1s
Defibrillator-proof: 5000V 360J
Recovering time for defibrillator-proof ≤5 s
Recovering time for defibrillator electrode polarization ≤10 s
Energy reduced ≤10%
Voltage transfer ≤1V
Standard complied with: IEC 60601-2-51

Environmental Specifications

Operating
Temperature : (5~40)℃
Relative humidity : 25%~93% (non condensing)
Atmospheric Pressure : (700~1060) hPa
Transportation and Storage
Temperature : (-20~+55) ℃
Relative humidity : 25%~95% (non condensing)
Atmospheric Pressure : (500~1060) hPa

BLT reserves the right to change specifications without notice.

BIOLIGHT CO.,LTD.

Add: innovation first road, technology innovation coast zhuhai, CHINA Postcode: 519085
Tel: +86-756-3399999 3399983 Fax: +86-756-3399911 E-Mail: Overseas@blt.com.cn