

# E70

12-Channel Electrocardiograph



- 8 inch colour TFT display, high resolution.
- Data management of 300 groups of patient data.
- Supports data saving on SD card or USB flash drive.
- Alphanumeric keyboard, individual capital and numeral key.

**Size and Weight:**

Size: 400mmx330mmx146mm (WxHxD)

Weight: ≤6Kgs

**Display:**

Type: 8.0" Color TFT LCD

Resolution: 800\*600 pixels

**Power Supply:**

Input voltage: AC: 100V~240V, 50Hz/60Hz

Input power: 60VA

Standard: Comply with IEC60601-1&amp; IEC60601-1-2

**Battery**

Type: 11.1V 2000 mAh rechargeable lithium ion battery

Operating time: Used continuously for 1.5 hours (200 copies of cardiogram)

Charge time: 4 hours

Indication of battery capacity: with bar graph

**Input/Output Specification**

Keyboard: Standard PC104 (position)

Touchscreen: Option

Network connector: 1 X RJ-45 socket

USB connector: 2 X USB Host (support hot-swap)

SDcard: 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

**Printer**

Printing method: Thermal dot array

Horizontal resolution: 40 dots/mm

Vertical resolution: 8 dots/mm

Recording speed: 5mm/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 paperRecording precision: ±5% (X axes),  
±5% (Y axes)Recording type: more than 10 printing methods.  
(3x4, 3x4+1R, 3x4+3R, 6x2, 6x2+1R, 12x1, Manual 3 path, Manual 6 path, manual 12 path, single -lead rhythm, three-leads rhythm and so on).**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

Low pass 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: 550 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

Recovery time for defibrillator-proof: 55s

Recovery time for defibrillator electrode

polarization: 510s

Energy reduced: 510%

Voltage transfer: 51V

Standard complied with: IEC60601-2-51

**Measure and Diagnosis of ECG Waveform**

HR range: 30bpm-350bpm

HR precision: ±lbpm (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 analysis: ≥140

**Environmental Specifications**

Operating

Temperature: (5~40) °C

Relative humidity: 25%~93% (noncondensing)

Atmospheric Pressure: (700~1060) hPa

Transportation and Storage

Temperature: (-20~+55) °C

Relative humidity: 25%~95% (noncondensing)

Atmospheric Pressure: (500~1060) hPa

BLT reserves the right to change specifications without notice.

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