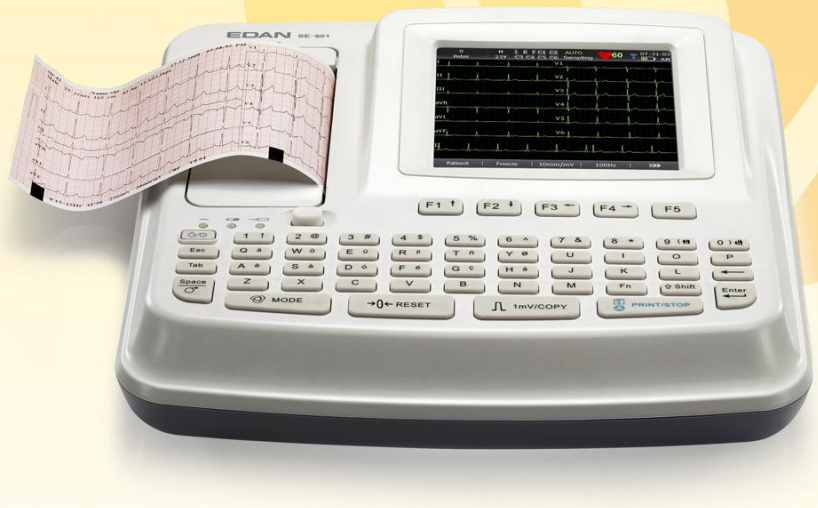
SE-601 B/C

Electrocardiograph

Version 1.2



Technical Specifications

Physical Specifications

Dimensions

310mm×322mm×101mm

Weight

3.0kg (Excluding recorder paper and battery)

Display

5.6 inch, 640×480 multicolor LCD screen. (Touch screen as optional).

Power Supply

Mains Supply

Operating Voltage = 100V-240V~
Operating Frequency = 50Hz/60Hz
Input Current = 0.9-0.4A

Internal Li-ion Battery Pack

Rated capacity = 2500mAh
(1.5 hours continuous printing, 300 ECG reports)
Necessary Charge time: 5 hours

Recording

Recorder:

Thermal dot-matrix recorder

Printing Density:

8 dots per mm / 200 dots per inch (amplitude axes)
40 dots per mm / 1000 dots per inch (time axes, @ 25 mm/s)

Recorder Paper:

Folded thermal paper:
110mm×140mm×150pages

Paper Speed:

5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s (±3%)

External Printer

HP2010/1050/2000, HPM401/2015/2035,
HP1106/1020P,
HP1106/1020P, HP4729/3638,
HPM202D/1525/M403d, HP3638/4729

HR Recognition

HR Range

30 BPM ~300 BPM

Accuracy

±1 BPM

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Technique

Peak-peak detection

ECG Unit

Leads:

12 standard leads

Acquisition Mode:

simultaneously 12 leads

A/D Converter:

24 bits

Resolution:

2.52uV/LSB

Time Constant:

≥3.2s

Frequency Response:

0.01Hz ~ 300Hz (-3dB)

Sampling Frequency:

16000 Hz

Gain:

2.5, 5, 10, 20, 10/5 mm/mV, AGC, ±5%

Input Impedance:

≥100MΩ (10Hz)

Input Circuit Current:

≤0.01μA

Input Voltage Range:

≤±5 mVpp

Calibration Voltage:

1mV±2%

CMRR:

≥140dB (AC on)
≥123dB (AC off)

Pacemaker

Amplitude:

±750μV to ±700 mV

Width:

50μs to 2.0 ms

Filter

AC Filter:

50/60Hz

DFT Filter:

0.01Hz/0.05Hz/0.15Hz/0.25Hz/0.32Hz/0.5Hz/0.67Hz

EMG Filter:

Off/25Hz/35Hz/45Hz

LOWPASS Filter:

300Hz/270Hz/150Hz/100Hz/75Hz

Data Transmission

Report Format:

DAT, PDF, SCP, FDA-XML, DICOM

Data Transmission:

Wi-Fi, Ethernet, RS232

Data Management System:

SE-1515 Data Management System, bi-directional communication

HIS connection

DICOM Worklist/DICOM Storage/HL7/GDT

Data Storage:

800 ECGs

Wi-Fi (Optional)

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Transmitting Frequency:

2400-2497MHz

Frequency Band:

2400-2497MHz

Modulation Type:

DSSS, CCK, OFDM

Transmitting Power:

6 - 17dBm

Effective Radiated Power:

6 - 17dBm

Safety Specifications

Comply with:

IEC 60601-1:2005/A1:2012
EN 60601-1:2006/A1:2013
IEC 60601-1-2:2014
EN 60601-1-2:2015
IEC/EN 60601-2-25

Anti-electric-shock type:

Class I with internal power supply

Patient Leakage Current:

NC <10μA (AC) / <10μA (DC)
SFC <50μA (AC) / <50μA (DC)

Patient Auxiliary Current

NC <10μA (AC) / <10μA (DC)
SFC <50μA (AC) / <50μA (DC)

Anti-electric-shock degree:

CF type with defibrillation-proof

Environment Specifications

Temperature:

Transport & Storage: -20ºC (-4ºF) ~ +55ºC (+131ºF)
Working: +5ºC (+41ºF) ~ +40ºC (+104ºF)

Relative Humidity:

Transport & Storage: 25%~93% Non-Condensing
Working: 25%~80% Non-Condensing

Atmospheric Pressure:

Transport & Storage: 70kPa ~106kPa
Working: 86kPa ~106kPa

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