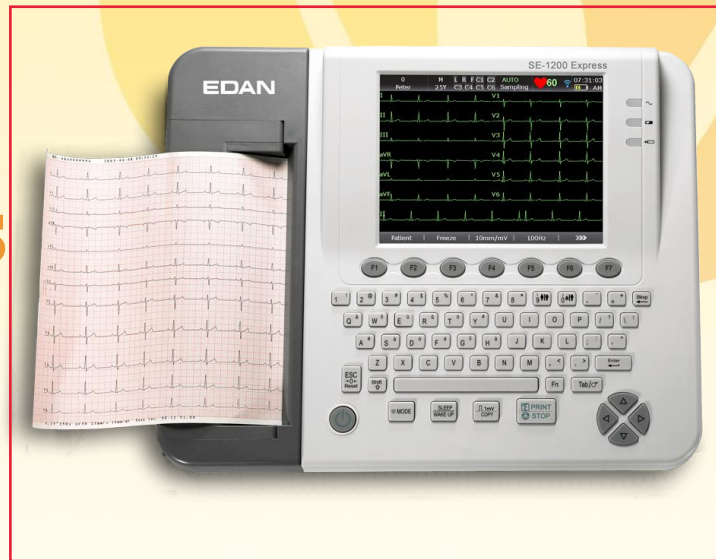


SE-1200 Express

Electrocardiograph

Version 1.4



Technical Specifications

Physical Specifications

Dimensions

420mm×330mm×120mm

Weight

≤5kg (Excluding recorder paper and battery)

Display

8 inch, 800×600 multicolor LCD screen (touch screen is 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 voltage = 14.8V

Rated capacity = 2500/5000mAh

(4/8 normal work hours)

Necessary Charge time: 3/6 hours

Recording

Recorder

Thermal dot-matrix recorder

Recorder Paper:

Folded thermal paper:

210mm×295mm×100pages

Folded thermal paper:

215mm×280mm×100pages (Optional)

Rolled thermal paper: 210mm×30m

(Optional)

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)

Paper Speed:

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

External Printer:

HP2010/2132/1050/2000, HPM401/2015/2035,

HP1106/1020P, HP1112/4729/3638, HPM202D/1525/M403D

HR Recognition

HR Range

30 BPM ~300 BPM

Accuracy

±1 BPM

ECG Unit

Features and specifications are subject to change without prior notice. No reproduction, copy or transmission may be made without written permission. Not all products or features are available in all countries, contact Edan for local availability.

Leads:

12 standard leads

A/D Converter:

24bits

Time Constant:

≥5s

Sampling Frequency:

64,000 Hz

Input Impedance:

≥100MΩ (10Hz)

Input Voltage Range:

≤±5 mVpp

CMRR:

≥140dB (AC on)

≥123dB (AC off)

Acquisition Mode:

Simultaneously 12 leads

Resolution:

0.1192uV/LSB

Frequency Response:

0.01Hz ~ 500Hz (-3dB)

Gain:

1.25, 2.5, 5, 10, 20, 40, 10/5 mm/mV, AGC

Input Circuit Current:

≤0.01μA

Calibration Voltage:

1mV±2%

QTc Formulas:

Bazett, Fridericia, Framingham, Hodges, QRS

Pacemaker**Amplitude:**

±750μV to ±700 mV

Sampling Frequency:

80,000 /sec/channel, Rhythm Lead

Width:

50μs to 2.0 ms

Filter**AC Filter:**

50/60Hz

EMG Filter:

Off/25Hz/35Hz/45Hz

DFT Filter:

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

LOWPASS Filter:

350Hz/300Hz/270Hz/150Hz/100Hz/75Hz

Data Transmission**Report Format:**

PDF, XML, DICOM, FDA-SCP

Data Management System:

SE-1515 Data Management System, bi-directional communication

Data Storage:

800 ECGs

Data Transmission:

Wi-Fi, Ethernet, RS232

HIS connection:

DICOM Worklist/DICOM Storage/HL7/GDT

Wi-Fi**Transmitting Frequency:**

2400-2497MHz

Modulation Type:

DSSS, CCK, OFDM

Frequency Band:

2400-2497MHz

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

Patient Auxiliary Current

NC <10 μ A (AC) / <10 μ A (DC)

SFC <50 μ A (AC) / <50 μ A (DC)

Anti-electric-shock type:

Class I with internal power supply

Patient Leakage Current:

NC <10 μ A (AC) / <10 μ A (DC)

SFC <50 μ A (AC) / <50 μ A (DC)

Anti-electric-shock degree:

CF type with defibrillation-proof

Environment Specifications

Temperature:

Transport & Storage: -20°C (-4°F) ~
+55°C (+131°F)

Working: +5°C (+41°F) ~ +40°C (+104°F)

Atmospheric Pressure:

Transport & Storage: 70kPa ~106kPa

Working: 86kPa ~106kPa

Relative Humidity:

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

Working: 25%~80% Non-Condensing