

SE-3/300

Electrocardiograph

Version 1.2



Technical Specifications

Physical Specifications

Dimensions

SE-3: 290mm×220mm×85mm

SE-300 series: 300mm ×260mm×85mm

Weight

2.0 kg (Excluding recorder paper and battery)

Display

3.5 inch, 320×240 LCD screen

Power Supply

Mains Supply

Operating Voltage = 100V-115V~ / 220V-240V~

Operating Frequency = 50Hz/60Hz

Internal Li-ion Battery Pack

Rated voltage = 14.8V

Rated capacity = 2500mAh

(3 hours continuous printing, 330 ECG reports)

Necessary Charge time: 3 hour

Recording

Recorder:

Thermal dot-matrix recorder

Recorder Paper:

Folded thermal paper,

80mm×70mm×200pages

Rolled thermal paper, 80mm×20m

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%)

HR Recognition

HR Range

30 BPM ~300 BPM

Accuracy

±1 BPM

ECG Unit

Leads:

12 standard leads

Acquisition Mode:

simultaneously 12 leads

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.



A/D Converter:

12bits/24bits(optional, with DE12 ECG board)

Time Constant:

≥3.2s

Sampling Frequency:

1000Hz. (10000Hz for pacemaker as optional)

Input Impedance:

≥50MΩ (10Hz)

Input Voltage Range:

≤±5 mV_{pp}

CMRR:

≥110dB / ≥115dB (optional, with DE12 ECG board)

Resolution:

2.52uV/LSB

Frequency Response:

0.05Hz ~ 150Hz (-3dB)

Gain:

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

Input Circuit Current:

≤0.05μA / ≤0.01μA (optional, with DE12 ECG board)

Calibration Voltage:

1mV±3%

Pacemaker**Amplitude:**

±2mV ~ ±700mV

Width:

0.1ms ~ 2.0ms

Filter**AC Filter:**

50/60Hz

DFT Filter:

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

EMG Filter:

Off/25Hz/35Hz/45Hz

LOWPASS Filter:

150Hz/100Hz/75Hz

Data Transmission**Report Format:**

DAT, PDF, FDA-XML, DICOM, SCP

Data Transmission:

Ethernet, RS232

Data Management System:

SE-1515 Data Management System

Data Storage:

500 ECGs

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 <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)

Relative Humidity:

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

Atmospheric Pressure:

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