

SE-3/300

Electrocardiograph



Specification

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-115 / 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:5 hours
	Recorder:	Thermal dot-matrix recorder
Recording	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, 80mm×70mm×200pages Rolled thermal paper, 80mm×20m
	Paper Speed:	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s
	HR Range:	30 BPM ~300 BPM
HR Recognition	Accuracy:	±1 BPM
	Leads:	12 standard leads
ECG Unit	Acquisition Mode:	simultaneously 12 leads
	A/D Converter:	12bits. (24 bits as optional)
	Resolution:	2.52uV/LSB
	Time Constant:	≥3.2s
	Frequency Response:	0.05Hz ~ 150Hz (-3dB)
	Gain:	2.5, 5, 10, 20, 10/5 mm/mV, AGC
	Input Impedance:	≥50MΩ (10Hz)
	Input Circuit Current:	≤0.05μA. (≤0.01μA as optional)
	Input Voltage Range:	≤±5 mVpp
	Calibration Voltage:	1mV±3%
	CMRR:	≥110dB. (≥115dB as optional)
	Sampling Frequency	1000Hz. (10000Hz for pacemaker as optional)
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:	PDF, XML, DICOM, FDA-SCP
	Data Transmission:	Ethernet, RS232
	Data Management System:	SE-1515 Data Management System
Safety Specifications	Comply with:	IEC 60601-1:2005/A1:2012 EN 60601-1:2006/A1:2013 IEC 60601-1-2:2007 EN 60601-1-2:2007/AC:2010 IEC/EN 60601-2-25
	Anti-electric-shock type:	Class I with internal power supply
	Anti-electric-shock degree:	CF type with defibrillation-proof
	Patient Leakage Current:	NC <10 μ A (AC) / <10 μ A (DC) SFC <50 μ A (AC) / <50 μ A (DC)
	Patient Auxiliary Current:	NC <10 μ A (AC) / <10 μ A (DC) SFC <50 μ A (AC) / <50 μ A (DC)
Environment Specifications	Temperature:	Transport & Storage: -20 $^{\circ}$ C (-4 $^{\circ}$ F) ~ +55 $^{\circ}$ C (+131 $^{\circ}$ F) Working: +5 $^{\circ}$ C (+41 $^{\circ}$ F) ~ +40 $^{\circ}$ C (+104 $^{\circ}$ F)
	Relative Humidity:	Transport & Storage: 25%~93% Non-Condensing Working: 25%~80% Non-Condensing
	Atmospheric Pressure:	Transport & Storage: 70kPa ~106kPa Working: 86kPa ~106kPa