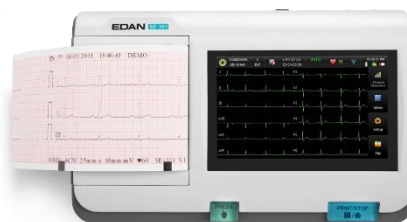


SE-301

Electrocardiograph



Specification

Physical Specifications	Dimensions	224 mm×143 mm×54 mm
	Weight	1kg (Excluding recorder paper and battery)
	Display	5 inch, 800×480 multicolor LCD touch screen
Power Supply	Mains Supply:	Operating Voltage = 100V-240V Operating Frequency = 50Hz/60Hz Power adapter output voltage: 19V, 2A
	Internal Li-ion Battery Pack:	Rated voltage = 14.8V Rated capacity=2500mAh (5 hours continuous printing, 500 ECG reports) Necessary Charge time≤3.5 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, 80mm×70mm×200pages Rolled thermal paper, 80mm×20m
	Paper Speed:	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s
	External Printer:	HP 1010/1510/2010/1050/2000, HP M401/2015/2035/1525, HP 1020/1020PLUS/1106, or HP 1505
HR Recognition	HR Range:	30 BPM ~300 BPM
	Accuracy:	±1 BPM
ECG Unit	Leads:	12 standard leads
	Acquisition Mode:	simultaneously 12 leads
	A/D Converter:	24 bits
	Resolution:	0.1575 μ V/LSB
	Time Constant:	≥3.2s
	Frequency Response:	0.01Hz ~ 300Hz (-3dB)
	Gain:	2.5, 5, 10, 20, 10/5, AGC (mm/mV)
	Input Impedance:	≥50M Ω (10Hz)
	Input Circuit Current:	≤0.01 μ A
	Input Voltage Range:	≤±5 mVpp
	Calibration Voltage:	1mV±2%
	CMRR:	≥140dB
Sampling Frequency	16000 Hz	

Pacemaker	Amplitude:	±2 to ±700 mV
	Width:	0.1 to 2.0 ms
	Sampling Frequency:	16,000/sec/channel
Filter	AC Filter:	On/Off (50/60Hz)
	DFT Filter:	0.01Hz, 0.05Hz, 0.32Hz, or 0.67Hz
	EMG Filter:	Off/25Hz/35Hz/45Hz
	LOWPASS Filter:	300Hz / 270Hz / 150Hz / 100Hz / 75Hz
Data Transmission	Report Format:	PDF, XML, DICOM, FDA-SCP
	Data Transmission:	Wi-Fi, Ethernet, RS232, 4G Network
	Data Management System:	SE-1515 Data Management System, bi-directional communication
	HIS connection:	DICOM Worklist/DICOM Storage/HL7
Wi-Fi (Optional)	Transmitting Frequency:	2.4GHz
	Frequency Band:	2.400-2.500GHz (2.4 GHz ISM band)
	Modulation Type:	OFDM with BPSK, QPSK, 16-QAM, and 64-QAM 802.11b with CCK and DSSS
	Transmitting Power:	17 dBm for 802.11b DSSS
		17 dBm for 802.11b CCK 15 dBm for 802.11g/n OFDM
4G (Optional)	Bands	FDD LTE: Band 1, Band 2, Band 3, Band 4, Band 5, Band 7, Band 8, Band 20, all bands with diversity WCDMA/HSDPA/HSUPA/HSPA+: Band 1, Band 2, Band 5, Band 8, all bands with diversity GSM/GPRS/EDGE: 850 MHz/900MHz/1800 MHz/1900MHz
	Rate	GPRS: UL 85.6 kbit/s; DL 85.6 kbit/s EDGE: UL 236.8 kbit/s; DL 236.8 kbit/s WCDMA CS: UL 64 kbit/s; DL 64 kbit/s WCDMA PS: UL 384 kbit/s; DL 384 kbit/s HSPA+: UL 5.76 Mbit/s; DL 21.6 Mbit/s DC-HSPA+: UL 5.76 Mbit/s; DL 42 Mbit/s LTE FDD: UL 50 Mbit/s; DL 150 Mbit/s@20M BW cat4
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 <10μA (AC) / <10μA (DC) SFC <50μA (AC) / <50μA (DC)
	Patient Auxiliary Current:	NC <10μA (AC) / <10μA (DC) SFC <50μA (AC) / <50μA (DC)
Environment	Temperature:	Transport & Storage: -20°C (-4°F) ~ +55°C (+131°F)



Specifications	Working: +5°C (+41°F) ~ +40°C (+104°F)
	Relative Humidity: Transport & Storage: 15%~95% Non-Condensing Working: 15%~95% Non-Condensing
	Atmospheric Pressure: Transport & Storage: 70kPa ~106kPa Working: 86kPa ~106kPa