

SE-1202

Electrocardiograph



Specification

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| Physical Specifications | Dimensions | 400 mm×360 mm×90 mm, |
| | Weight | 6.5kg (Excluding recorder paper and battery) |
| | Display | 10.1", 1280×800 multicolor LCD Screen The display can be flipped 25 degrees clockwise. |
| 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 = 2,500 mAh or 5,000 mAh Necessary Charge time: 3 hours or 6 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: 210mm×295mm×100pages Folded thermal paper: 215mm×280mm×100pages Folded thermal paper: 210mm×295mm×200pages |
| | Paper Speed: | 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s |
| | External Printer: | HP 1510, HP 1020P, HP 1112, HP 2132, HP DeskJet 4729 HP DeskJet 3638, HP M401, HP LaserJet P2035 HP 1010, HP Laserjet Pro M403D, HP LaserJet pro M202DW |
| HR Recognition | HR Range: | 30 BPM ~300 BPM |
| | Accuracy: | ±1 BPM |
| ECG Unit | Leads: | 9 or 12 standard leads |
| | Acquisition Mode: | 9 or 12 leads acquisition simultaneously |
| | A/D Converter: | 24 bits |
| | Resolution: | 0.1192μV/LSB |
| | Time Constant: | ≥5s |
| | Frequency Response: | 0.01Hz ~ 350Hz (-3dB) |
| | Gain: | 1.25, 2.5, 5, 10, 20, 10/5 mm/mV, AGC |
| | Input Impedance: | ≥100MΩ (10Hz) |
| | Input Circuit Current: | ≤0.01μA |
| | Input Voltage Range: | ≤±5 mVpp |
| Calibration Voltage: | 1mV±2% | |

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| | CMRR: | ≥140dB (AC on) ≥123dB (AC off) |
| | Sampling Frequency | 64,000 Hz/channel |
| Pacemaker | Sampling Frequency | 80,000 Hz, Rhythm Lead |
| | Amplitude: | ±500µV to ±700 mV |
| | Width: | 30µs to 2.0 ms |
| Filter | AC Filter: | Off/50Hz/60Hz |
| | DFT Filter: | 0.01Hz/0.05Hz/0.32Hz/0.67Hz |
| | EMG Filter: | Off/25Hz/35Hz/45Hz |
| | LOWPASS Filter: | 350Hz/300Hz/270Hz/150Hz/100Hz/75Hz |
| Data Transmission | Report Format: | PDF, SCP, FDA-XML, DICOM |
| | Data Transmission: | Wi-Fi, Ethernet, 4G network |
| | Data Management System: | SE-1515 Data Management System, bi-directional communication |
| | HIS connection: | DICOM Worklist/DICOM Storage/HL7 |
| Wi-Fi | Transmitting Frequency: | 2.4GHz & 5GHz |
| | Frequency Band: | FCC: 2412 MHz ~ 2462 MHz, 5180 MHz ~ 5825 MHz CE: 2412 MHz ~ 2472 MHz, 5180 MHz ~ 5825 MHz |
| | Modulation Type: | DBPSK, DQPSK, CCK, BPSK, QPSK, 16-QAM, 64-QAM |
| | Transmitting Power: | <20 dBm (CE requirement: detection mode - RMS) <30 dBm (FCC requirement: detection mode - peak power) |
| 4G (Option) | 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/1900 MHz |
| 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 |
| | 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 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: 15%~95% Non-Condensing Working: 15%~95% Non-Condensing |
| | Atmospheric Pressure: | Transport & Storage: 70kPa ~106kPa Working: 70kPa ~106kPa |