The CardioExpress SL6A is a six-channel ECG recorder that has been developed for any working situation and provides a cost-effective solution for hospital care areas, routine checks, and emergency cases.

FEATURES

Features	
Ordering Information	SL6A-AHA SL6A-IEC
Recorder includes:	• Power cables (US or EU) • Patient cable for resting ECG (US or EU) • Chest and limb electrodes • Recorder paper • Rechargeable battery • Operations manual
Printing	Internal printer for all current and stored ECG data. Print to 110mm z-fold paper.
	Allows printing to compatible USB printer *(supported models only)*. Supported printers: HP 2010/1050/2000, HP 2015/2035.
Print Speed	5 / 6.25 / 10 / 12.5 / 25 / 50 mm/s, user selectable
Channels printed	6 channels
Data storage	Internal: 500 10-second 12-channel recordings External 4Gb: 20000 for DAT format and <20000 for SCP format.
Data export to USB port and via network port to Sentinel.	File formats: • PDF • SCP • FDA-XML • Dicom
System Settings	Import and export of saved system configurations settings via USB device for rapid configuration of multiple devices
Keyboard	Standard QWERTY keyboard, coloured rubber keys.
Languages	English (US), French, German, Italian, Polish, Portuguese, Russian, Spanish

Physical Dimensions	
Height	101 mm
Length	310 mm
Width	322 mm
Weight	2.6 kg (without paper and battery)
Display	5.6" Color touch screen

Wi-Fi	
Wi-Fi Module	Compatible with IEEE802.11b/g/n

ECG Acquisition

Leads	Standard
	Cabrera
Acquisition mode	10 second 12-lead simultaneous or sequential
Sensitivity / gain	2.5, 5, 10, 20, 10/5 mm/mV, AGC
Heart rate recognition technique	Peak-peak detection
Heart rate recognition range	30 to 300 BPM
Heart rate recognition accuracy	±1 BPM
Duration to analyse 10-second 12-lead ECG, using automatic interpretation, and print-out report	<15 seconds
Calibration Signal Input	1mV±2%
Sample Frequency	1000Hz
Frequency response	0.05 to 150Hz (-3dB)
Filters *The DFT filter reduces ECG baseline fluctuations, keeping the ECG on the baseline. The setting is the low limit of the frequency range.	AC: -20db (at 50/60Hz Sinus) or OFF EMG filter: -3db (25/35/45Hz) or OFF DFT filter*: 0.05 ,0.15, 0.25, 0.32, 0.5, 0.67Hz Low pass filter:75,100,150Hz
Indicator LEDs	Mains power, Battery power, Battery recharging
Communication	Use of bar-code readers via USB port to import Patent ID, first name, last name.
Report	ECG data: Date and time of recording, all channels, average ECG wave template or rhythm lead, measurement and interpretation statement, histograms, trend charts, blood pressure, heart rate. Patient data: height, weight, ID names, date of birth, race, gender, age Facility name, physician, referring physician Settings: Printing speed, sensitivity, filter, lead mark Recorder: Model type and firmware version.

Electrical Requirements

Power Requirement	Supports both mains and battery powered operation.	
Power supply	Auto-ranging mains power: 100V to 240V A.C., 50/60Hz. Input power 0.9A - 0.4A	
Battery	Operating time	5 hours normal use
	Recharge time (from fully discharged)	5 hours
	Specification	2500mAh. 14.8V Rechargeable battery

Environmental Requirements

Storage	• Temperature • Humidity • Atmospheric Pressure	-20° to 55° C 25% - 93% (non-condensing) 700 to 1060 mbar (hPa)
Operating	• Temperature • Humidity • Atmospheric Pressure	5° to 40° C 25% - 80% (non-condensing) 860 to 1060 mbar (hPa)
Water Ingress Protection	IPX0 (No Protection)	

Electromagnetic Compatibility

Emissions	IEC 60601-1-2 Group 1, Class A. RF emissions CISPR 11 IEC 61000-3-2 Class A, Harmonic emissions
Immunity	IEC 60601-1: Internally powered ME Equipment. Class I ME equipment when connected to mains supply. Protection degree against CF electric shock with IEC or AHA patient cables. IEC 61000-3-3 Compliance, voltage fluctuations and flicker.
Regulatory	CE marked in accordance with the Medical Device Directive 93/42/EEC. CE 0123

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