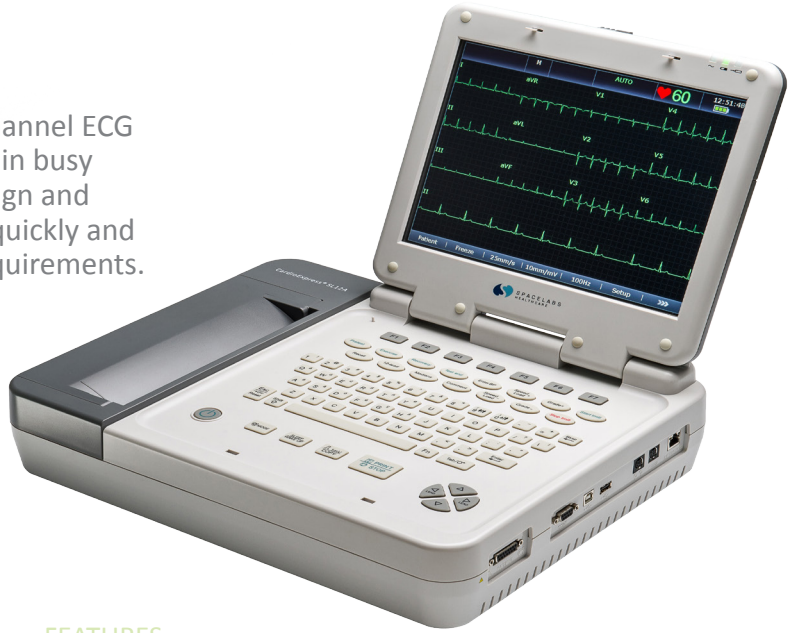
CardioExpress SL12A

The CardioExpress SL12A is a twelve-channel ECG recorder designed for high volume use in busy departments. It features advanced design and ergonomics to enable the operator to quickly and easily control the unit for individual requirements.



FEATURES

FEATURES	
Ordering Information	SL12A-AHA SL12A-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 210mm or 216mm rolled or z-fold paper.
	Allows printing to compatible USB printer *(supported models only)*. Supported printers: HP 2015/2035 / 1525. HP2010 / 1050 / 2000 / 2050. HP1020. HP1505.
Print Speed	5 / 6.25 / 10 / 12.5 / 25 / 50 mm/s, user selectable
Channels printed	12 (all) channels
Data storage	500 10-second 12-channel recordings
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
PHYISICAL DIMENSIONS	
Height	120 mm
Length	420 mm
Width	330 mm
Weight	6.5 kg (without paper and battery)
Display	12.1" Color touch screen
Wi-Fi	
Wi-Fi Module	Compatible with IEEE802.11b/g *Note: The SL12A is not compatible with IEEE802.11n*

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	0.05~150Hz (-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 0.96A - 0.4A	
Battery	Operating time	5 hours normal use
	Recharge time (from fully discharged)	6 hours
	Specification	5000mAh. 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	

35301 SE Center St, Snoqualmie, WA 98065 | T +1 425 396 3300 | F +1 425 396 3301 • 1 Harforde Court, John Tate Road, Hertford, SG13 7NW, UK | T +44 (0)1992 507700 | F +44 (0)1992 501213
www.spacelabshealthcare.com

Drg No. 061-2755-00 Rev A