Resting ECG Recorder
18, 15 and 12 Lead

CardioExpress SL18A
98410

Features

Intuitive User Interface

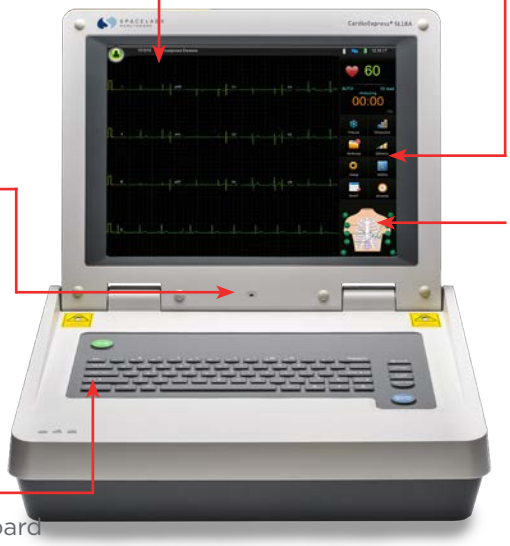
The CardioExpress SL18A has been designed to meet the challenging needs of today's busy cardiac department.

15" Color touchscreen

The 15" touchscreen offers a clear view of the ECG Traces.

Function Icons

The intuitive icons allow you to access the most frequently used functions with a single touch of a button.

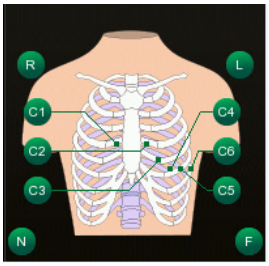


Light Sensor

The smart light sensor automatically adjusts the brightness of the screen according to the working environment, to ensure a clean and clear screen layout.

Signal Quality Indicator

The three color indicator enables the user to easily identify signal quality on each lead at a glance.



Silicone Keyboard

The waterproof alphanumeric keyboard serves to minimize cross infection when inputting vital patient information.

Sample Rate

A high sample rate of 16,000Hz creates good quality, accurate ECG waveforms.

Power supply

The CardioExpress SL18A includes a built-in rechargeable Li-ion battery for prolonged mobile use.

Interpretation

SEMIP: Automatic measurement and interpretation tested with authoritative CSE database.
GLASGOW: Interpretation for 12-Lead

Filtering

Digital filtering, minimizing baseline drift, AC and EMG interference.

Pacemaker detection

Pacemaker detection that meets the requirements of ANSI/AAMI EC11.

Easy data input and operation

Touchscreen & Alphanumeric keyboard.

Memory and data transmission

Supports external archiving to the Spacelabs Healthcare Sentinel System.

Data storage

Internal storage of up to 1000 10 sec Resting ECGs

Export

USB: Supports PDF / SCP / DICOM / FDA-XML file formats.

Network Port: Supports PDF / SCP / DICOM / FDA-XML file formats.

Printing

Via internal high resolution thermal recorder or external USB printer.

Printing Formats

Flexible printing formats for 9, 12, 15 and 18 lead reports

Print Speeds

5/6.25/10/12.5/25/50 mm/s (selectable by the user)

Multiple work modes

Including Auto, Manual, HRV, VCG and SAECG

Wi-FI

Built in Wi-Fi which conforms to IEEE 802.11b/g/e/I standards, single-stream 802.11 n.

2.4 GHz, 802.11n RF transceiver with high performance power amplifier.

WPA and WPA2 supported, but cannot support Vendor EAP Type(s)

CardioExpress

Connectivity

Today's hospitals require a cardiology data management system that will facilitate analysis and reporting while also improving efficiency and eliminating errors. Our flexible and scalable **CARDIOLOGY INFORMATION MANAGEMENT SYSTEM** (CIMS), Sentinel offers that and more – making the most of your product and IT investments while helping you to improve patient care.

Sentinel fully integrates reports from our entire range of non-invasive diagnostic cardiology procedures: Holter monitoring, ambulatory blood pressure monitoring (ABPM), 12-Lead ECG, and ECG stress testing. Sentinel also provides an interface to a number of other manufacturers' ECG devices, enabling Sentinel to provide a cost effective solution to integrate data from multiple devices.

With Sentinel, you have immediate access to detailed information for a given patient, including historic ECG data that can also be integrated with your EMR/HIS system. Patient details and recording data is organized and stored in a central, networked database which reduces search times and improves efficiency.

We designed Sentinel to be highly configurable, enabling you to work the way you want to. When you control the workflow, you have greater flexibility to coordinate your procedures, further improving your day-to-day efficiency.

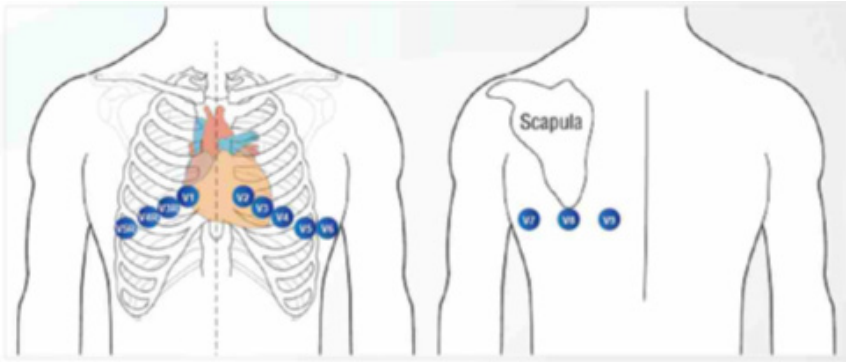
CardioExpress SL18A

More capabilities than ever

CardioExpress SL18A introduces a wide range of new features to aid cardiology professionals:

Real 18-Lead simultaneous sampling

18-Lead ECG obtains right side chest leads (V3R, V4R and V5R) and posterior leads (V7, V8 and V9) at the same time, which offers more evidence in certain cases e.g. PMI and RVI compared to traditional 12-Lead ECG devices.



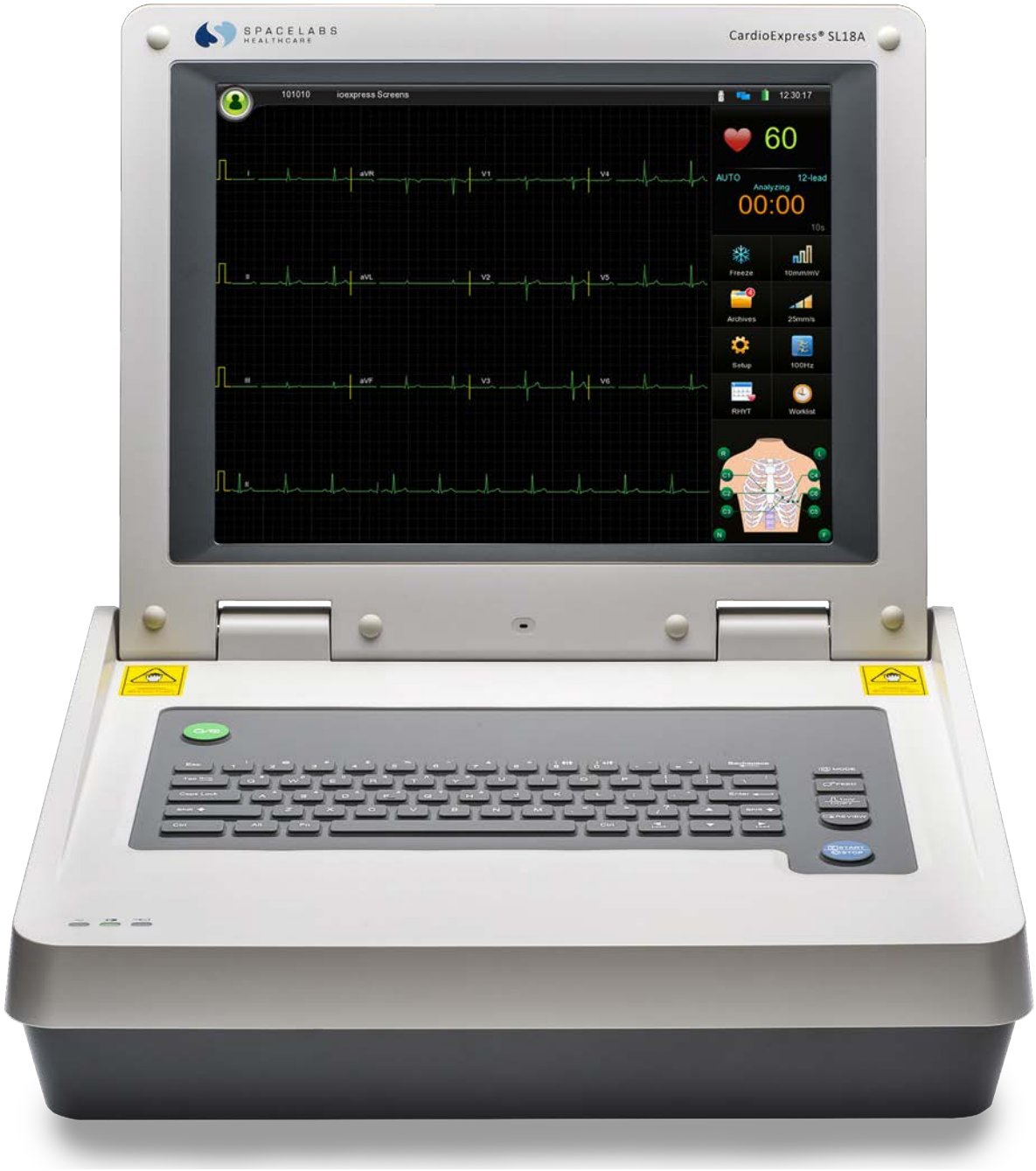
Color Identification of Arrhythmia

This function highlights the arrhythmia part of an ECG waveform with a conspicuous color that enables the user to identify Arrhythmias consistently.

Event mark function

The event mark function provides users with an easy way of labelling ECG events during a long recording period. Events are then easily viewed in an Event segment display.

Real 18-lead simultaneous sampling | Color identification of Arrhythmia | Freeze function | Event mark function



Options

- Barcode reader : 1D & 2D
- Sentinel Cardiology Information Management System

044-0013-00	FDA-XML Export
044-0014-00	DICOM Export
044-0015-00	DICOM Worklist
044-0016-00	HL7
044-0017-00	VCG (Vectorcardiograph)
044-0018-00	TVCG (Timed VCG)
044-0019-00	SAECG (VLP, Ventricular Late Potential)
044-0020-00	VCG Calculation

Trolley

010-2147-00

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Part No. 030-2006-01 Rev C