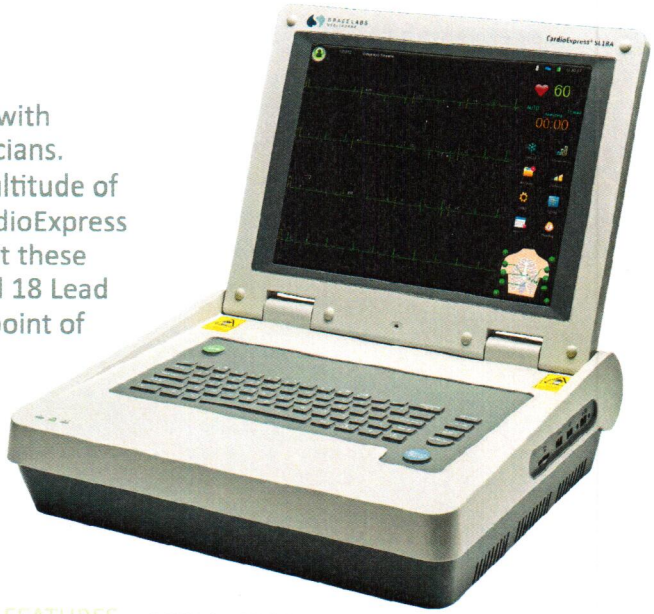
DATA SHEET | CardioExpress SL18A

Across the world, improving health starts with providing quality data to doctors and clinicians. Today's devices are required to meet a multitude of differing needs in today's market. The CardioExpress SL18A recorder has been designed to meet these needs by including support for 12 / 15 and 18 Lead waveforms, providing quality data at the point of care.



## FEATURES

| FEATURES | |
|---|---|
| Ordering Information | SL18A-AHA<br>SL18A-IEC |
| Recorder includes: | • Power cables (US or EU)<br>• Patient cable for resting ECG (US or EU)<br>• Chest and limb electrodes<br>• Recorder paper<br>• Rechargeable battery<br>• Operations manual |
| Printing | Internal printer for all current and stored ECG data. Print to 210 or 216mm wide roll or z-fold paper. |
| | Allows printing to compatible USB printer *(supported models only)*. A4 or US Letter.<br>Deskjet: HP1050 J410<br>Laserjet: HP1020, HP2015, HP400 M410D, CP1525N, P2-35, P2055, P1505 |
| Print Speed | 5 / 6.25 / 10 / 12.5 / 25 / 50 mm/s, user selectable |
| Channels printed | Maximum 15 channels simultaneously |
| Data storage | 1000, 10-second 18-channel recordings |
| Data export to USB port and via network port to Sentinel. | File formats:<br>• PDF<br>• SCP<br>• FDA-XML<br>• 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, Russian, Spanish |
| **PHYSICAL DIMENSIONS** | |
| Height | 135 mm |
| Length | 438 mm |
| Width | 395 mm |
| Weight | 9.5 kg (without paper & battery) |
| Display | 15" Color touch screen |
| **Wi-Fi** | |
| Wi-Fi Module | Compatible with IEEE802.11b/g & IEEE802.11n |

SPACELABS HEALTHCARE

CORONAVITAS®
www.coronavitas.dk

| | | |
|---|---|---|
| **ECG ACQUISITION** | | |
| Leads | 18 Standard | |
| Acquisition mode | 18-leads simultaneously | |
| 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 | <20 seconds | |
| Calibration Signal Input | 1mV±2% | |
| Sample Frequency | ~~1000Hz~~ Rettelse: **16kHz** | |
| Frequency response | ~~0.05~150Hz ( 3dB)~~ Rettelse: **0.01~300Hz(-3dB)** | |
| Filters<br>*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:75,100,150,270,300Hz |
| 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 & interpretation statement, histograms, trend charts, blood pressure, heart rate.<br>Patient data: height, weight, ID, names, date of birth, race, gender, age<br>Facility name, physician, referring physician<br>Settings: Printing speed, sensitivity, filter, lead mark<br>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 | 3.5 hours normal use |
| | Recharge time (from fully discharged) | 6 hours |
| | Specification | 5000mAh. 14.8V Rechargeable battery |
| **ENVIRONMENTAL REQUIREMENTS** | | |
| Storage | • Temperature<br>• Humidity<br>• Atmospheric Pressure | -20° to 55° C<br>15% - 95% (non-condensing)<br>700 to 1060 mbar (hPa) |
| Operating | • Temperature<br>• Humidity<br>• Atmospheric Pressure | 5° to 40° C<br>15% - 95% (non-condensing)<br>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<br>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.<br>Protection degree against CF electric shock with IEC or AHA patient cables.<br>IEC 61000-3-3 Compliance, voltage fluctuations & 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  Specifications subject to change without notice. Drg No. 061-2756-00 Rev A