

# EC Sense™ ECG System ToGo

12-lead Rest ECG



**CARDIOLEX**

EASY TO USE ECG

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## 12-lead Rest ECG

EC Sense™ ECG System ToGo is a cost-effective turn-key 12-lead PC-based ECG system for hospitals, private clinics, and other healthcare facilities. The system is designed to be easy to use and produce high quality ECG recordings.

The system consists of a wireless acquisition unit (Bluetooth®), a mobile trolley, a portable tablet with color touch screen and on screen keyboard. The system is powered by a battery and communicate wireless.



### BENEFITS WITH EC SENSE™ ECG SYSTEM TOGO



**EASY TO USE**



**CONVENIENCE**



**PATIENT CONTROL**



**QUALITY CONTROL**



**ADD ON OPTIONS**

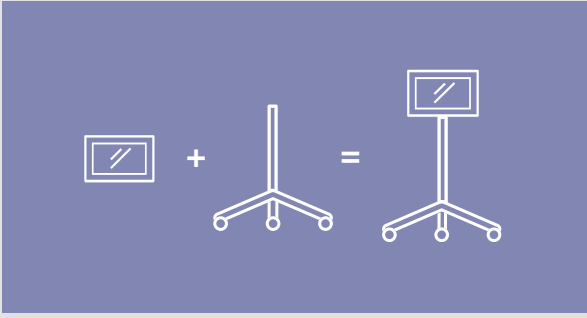


**CLEAR ECG TRACE**



### EASY TO USE

EC Sense™ is characterized by its simple and intuitive use, which eliminates the risks for improper handling. The system is programmable and follows the workflow defined by the user. The need for training is minimal for the normal user; yet the advanced user has every opportunity to grow with the system and use it to its full potential.



### CONVENIENCE

The ToGo system is developed for your convenience. It consists of the wireless Lexor 12 Blue acquisition unit, the tablet and a slim trolley, for maximal mobility. It can also be delivered with a table stand instead. The tablet is equipped with a rechargeable battery making the system flexible and easy to use.



### CONTROL OF IDENTIFIED PATIENT

The system controls the patient ID when connected to EC Store™ in order to verify that input values are correct and exist. Depending on the country's specific ID parameters, the system can extract information from the ID and notify external systems.



### QUALITY CONTROL

To ensure analysis and storage of a high quality ECG trace with limited or no noise or disturbances, a one-click quality check is performed.

The setting is selectable.



### VARIOUS ADD ON EXAMINATION OPTIONS

As its primary function, EC Sense™ provides Rest ECG, but it is easy to add options to increase the functionality. The chosen options are added without the need for any hardware or software upgrade, and the new function is available immediately.

- GRI analysis (ECG interpretation)
- Long ECG (base & extended)
- Communication (for storage)
- Edit Rest ECG



### RELIABLE RESULTS

The basis in all our ECG systems, is the acquisition unit (USB or Bluetooth®) with a noise-insensitive design and a high quality signal disturbance filter (SW). This enables a clear ECG trace and a high proportion of interpretable ECGs in a short period of time.







## CARDIOLEX Group

Cardiolex Group offers complete ECG-solutions, focusing on digital workflow, ease of use and supplier-independent systems.

The broad product portfolio of Cardiolex Group, provides scalable and flexible solutions that suit both larger hospitals and smaller care providers.

## CARDIOLEX MEDICAL

Cardiolex Medical is a Swedish company with ECG-products on the market since 2007.

We offer efficient and user-friendly solutions, which are developed in close collaboration with our customers. Our digital offering is flexible, reliable, secure - and completely paperless.

### TECHNICAL DATA

#### EC SENSE™ TOGO SYSTEM | CATALOGUE NO.: CN S-2-B-C-3-3-F-0-0

\*All letters shall be replaced by a digit, depending on the selected option. See price list for all selections.

**ECG leads:** 12-leads (I, II, III, aVR-L-F, V1-6)

**Dynamic range:** ± 316 mV DC

**Sample rate:** 8000 samples/s in all channels

**Resolution:** 1 µV/LSB

**Frequency range:** 0 - 150 Hz

**Pacemaker detection:** Detection in all leads

**Input impedance:** > 50 MΩ

**Electrodes check:** Frequency analysis and impedance measurement

**Input protection:** Against defibrillator shock and HF from surgery devices

**Sampling rate for signal analysis:** EC Sense Lexor 12 Blue: 500 samples/second/channel | EC Sense Lexor 12 USB: 1000 samples/second/channel (High resolution ECG possible)

**Lead fail detection:** Via software in EC Sense

**Configuration of leads:** Standard and Cabrera

**Electrode placement:** Standard or pediatric (V4R)

**Line filter:** 50/60 Hz (Via software (EC Sense))

**Tremor filter:** 35/75/100/150 Hz

**Baseline filter 1:** 0,05 Hz

**Baseline filter 2:** Correcting

**Filter presentation:** Possible to view filtered and corrected data simultaneously

**Interpretation:** Automatic analysis, developed by Glasgow Royal Infirmary (GRI) (option); Median beat calculation; Measurements; Adult and pediatric; Texts in native language.

**Prints:** Portrait/landscape; Any Windows compatible printer; PDF file (optional)

**Communication:** Windows' network communication (TCP/IP); Bi-directional communication with EC Store (optional); Export of Cardiolex XML (Cardiolex format) (optional); Communication to other systems (DataMedFT, DICOM, HL7 aECG, SCP) (optional); Export of PDF report (optional).

**Bluetooth®:** Class 2

**Certificates:** ISO 13485, MDD 93/42/EEC Class IIb (EC Sense)

**PC type:** Pokini M10 (10.1")

**Operating system:** Microsoft® Windows 10

**PC performance:** Screen: 10,1", 1920\*1200 resolution, multi touch; Processor: Intel® Core™ i5; Storage: DDR3-SDRAM 8GB; Graphics: Intel® HD Graphics 505; Wireless: 802.11 a/b/g/n/ac + BT 4.2; Barcode reader (optional). RFID reader (optional).

**Trolley:** Stand on wheels or table stand (option)

**Patient cables:** Snap (1.05 m | 1.53 m), Grabber (1.05 m | 1.53 m) & Banana (1.53 m)

**Battery:** PC: Lithium polymer (hotswap); Capacity up to 9 hours; EC Sense Lexor 12 Blue: 2 AA batteries | Capacity >1000 ECGs

