

# Lode Cardiac Rehab Manager

Turn-key Solution for Cardiac Rehabilitation



## Highlights

### High standards

Lode is a socially and environmentally responsible company. All Lode products are RoHS/WEE compliant and Lode is ISO 9001:2015, and ISO 13485:2016 certified. All medical products comply to MDD 93/42/EEC, incl. IEC 60601-1.

### Complete setup

The modular structure of the software combined with the accurate and reliable Lode ergometers offers a complete and modern ergometry setting.

### Everything in control

Easy set up of Subject data  
Create protocols quickly and efficiently  
Overview of progress during test

### Multifunctional software for all Lode ergometers

The software can be used for all Lode ergometers and treadmills, including their options like bloodpressure, heart rate, SpO2 etc.

Load as well as bloodpressure triggers can be set remotely.

### Easy to install

- Simple step by step installer
- Easy setup of ergometers
- Easy setup of subjects



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Turn-key Solution for Cardiac Rehabilitation



Lode offers a turn-key solution for cardiac rehabilitation. The complete solution consists of our intuitive and user-friendly LCRM software, a very compact wearable ECG streamer and is completed with our reliable Lode rehab ergometers.

The LCRM software (#950902) is unique and control the Lode rehab devices. It helps the test operator to prepare cardiac rehabilitation sessions by the possibility to predefine protocols and test groups. The software also documents all relevant data (e.g. ECG, BPM, SpO2, Speed, Inclination, RPM, Load, etc) for later analysis and provides individual reports and continuous ECG control. The test operator can rely on the quality of the software and thus focus on the patients. The extensive patient database can work as a stand-alone database or linked to a SQL server. Of course HL7 connection to the Hospital Information System (HIS) is possible.

The compact 2-channel ECG streamer (#950920) is wearable and wireless. This makes it possible for the test subject to move around the ergometer and perform all kind of exercises while the ECG data are still monitored. The batteries of multiple ECG streamers can be charged using a USB cord or simultaneously in a docking station.

Each Cardiac Rehabilitation Solution is custom made, based on the requirements of the user. You can use part number #950902 for ordering the LCRM software for a setting with 2 stress test devices. For each additional device, you can order an additional license (#950906). For a complete setup, please check the accessories and related products or contact your local Lode distributor.

## Features



### Turn key delivery

The complete setup is delivered turn key, so that you can start using it immediately.



### Patient Database

An extensive patient database is available, which can work as a stand alone database or linked to a SQL server. HL7 connection to the Hospital Information System (HIS) is possible.



### Data dashboard available

Various ergometry data is made visible, enabling the operator to simultaneously visualize ergometric parameters during the test and to control or quickly intervene when necessary.



### Monitor during the test

The visualisations on the monitor can be selected by the operator to define a clear and usefull visual overview during the exercise test. The lay-outs for different purposes can be saved by the operator



### Customizable view

The operator can define which data is displayed on the screen. Data not visualized during the test is recorded and can be analyzed at any time.



### Add remarks

Remarks can be added and modified before, after and during the test



### Multiple analysis modes

Easy access to Analysis menu. Creating individual comparisons with an overview of the performed tests.



### Borg RPE scale integrated

Ratings of Perceived Exertion: an aid to help estimate the amount of exertion, the load and fatigue on a scale of 6 to 20.

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## Interconnectivity between Lode products

Connecting Lode products has never been easier! Lode rehab and sports products have a standard Network card:

- To be able to connect the first product to the PC with L(C)RM a Lode proprietary network to PC cable is needed (#930930). This cable is standard included with Lode Rehab Software.
- From the second product onward products can be connected to the previous one, creating a bus network configuration;
- The last product always needs a termination plug to avoid interference and loss of data. Therefore all products with such a network card come with a termination plug.



### Benefits





- Lossless data connection
- High bandwidth
- No interference of COM ports
- Daisy chain connection
- Full access of all data in the product to LCRM

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Lode Cardiac Rehab Manager can a.o be extended with the following options:

<p><b>Medical Keyboard</b></p> <p>Maximum hygiene</p>  <p>Partnumber: 945860</p>	<p><b>Medical Mouse</b></p> <p>Maximum hygiene</p>  <p>Partnumber: 945861</p>	<p><b>Lode (Cardiac) Rehab Manager - additional license</b></p> <p>Versatile data and ergometer</p>  <p>Partnumber: 950906</p>	<p><b>Lode ECG Streamer</b></p> <p>Compact wireless ECG registration</p>  <p>Partnumber: 950920</p>
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## Specifications

### Accuracy

60 Hertz Filter	✓
50 Hertz Filter	✓
Two channel ECG monitoring	✓

### Comfort

Alarm Heart Rate	✓
Alarm Blood Pressure	✓
Audio Alarm	✓
Remote Battery Indication	✓
Versatile database connection	✓

### User Interface

Customized Screenviews	✓
Customized Reports	✓
Personalized Color Settings	✓
Software available in English	✓
Software available in German	✓
Software available in Dutch	✓
Software available in French	✓
Software available in Russian	✓
Software available in Polish	✓
Software available in Japanese	✓

### Connectivity

RS232 connection to Lode ergometers	✓
USB connection to Lode treadmills	✓
Bluetooth available	✓
Max. wireless slots per monitor	8

### Minimum System Requirements

Intel Core based processor	2.4 GHz
Monitor	1920 x 1080 pixels
Internal RAM	4000 MB
Minimum Free Hard Disk space	20 GB
CD Rom drive required	✓
Number of free USB ports	4
Mouse	✓
Keyboard	✓

### Order info

Partnumber: 950902

*\*Specifications are subject to change without notice.*

### Compatibility

HL7 compatible	✓
Compatible with MS SQL Server	✓
Database	SQL Compact
Database limit	4 GB
Microsoft Windows 10	✓
Microsoft Windows 8	✓
Microsoft Windows 7	✓

### Included parts

PC included	✓
PC software included	✓
Keyboard and mouse included	✓
PC monitor included	✓
All cables included	✓