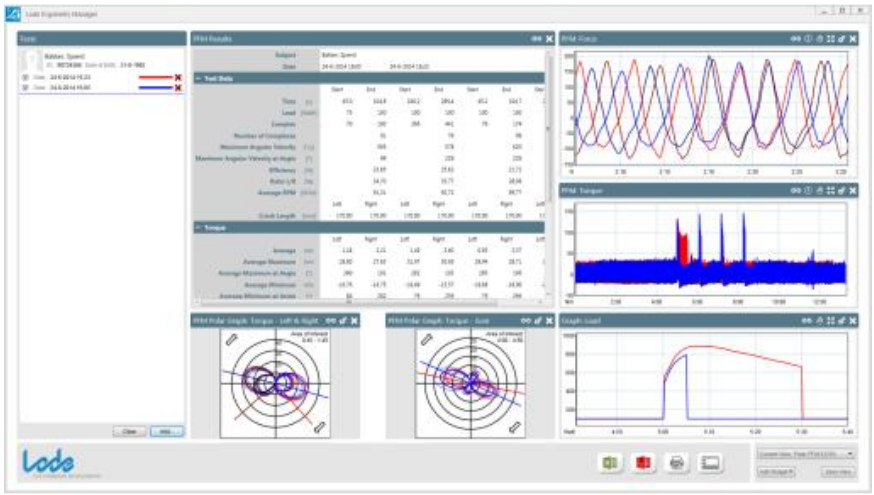
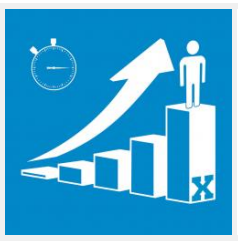
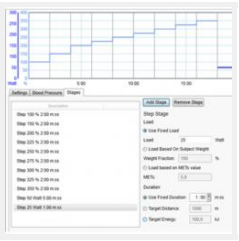
Lode Ergometry Manager - LEM 10

Versatile data and ergometer management







Highlights

Easy installation

- Simple step by step installer
- Automatic detection of exercise devices
- Easy setup of subjects

Multifunctional software for Lode ergometers

Software for all Lode ergometers, incl. options like BPM, HR, SpO2 etc. Worldwide commonly used bicycle and treadmill protocols are preprogrammed. Load, BPM and Borg notation triggers can be set remotely. Time trials can be implemented.

Complete Ergometry setting

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

Complete control

Easy set up of Subject data with photo
Create protocols quickly and efficiently
Overview of progress during test
Customized pdf reports

Additional functionality available in Modules

Functionality of the software can be enhanced using the modules, like Wingate sprint tests, Åstrand sub maximal tests and the possibility to program protocols with multiple decisions targets and formulas.

THE STANDARD IN ERGOMETRY

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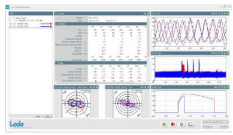

Versatile data and ergometer management

The Lode Ergometry Manager (LEM) is a software package used for controlling Lode ergometers and monitoring test subject ergometric parameters. The software enables the operator to program protocols, control ergometers, visualize, save and analyze ergometry data and print customized reports in PDF. Worldwide commonly used bicycle and treadmill protocols are standard preprogrammed. The program also provides a patient database and the possibility to connect to a SQL server or the Hospital Information System (HIS) with HL7. LEM 10 is also backwards compatible with previous versions, allowing you import and use your existing database easily. The software has been developed and tested according to the Lode principles of accuracy, durability and reliability. The Lode Ergometry Manager can be extended with various modules, each with its specific functions and visualizations. The Lode Ergometry Manager can be used for testing and training in several rehabilitation settings, sports medicine, physiotherapy and research environments.

Features

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.

Isokinetic mode available for selected ergometers

Isokinetic stages can be programmed for the Excalibur and Brachumera.

Visualisation of seating position

The seating position for the Excalibur Sport can be saved and compared with the actual or former positions

Sophisticated analysis menu

Possibility to zoom into the results and synchronize with other graphs. To have a better look with the use of the x/y coordinate functionality. Compare several test results from a Test subject in a clear overview, or compare different test subject performing the same exercise test. Define your own print report.

Customizable dashboard

The dashboard on the monitor can be customized and saved for several applications. Test views and Analysis can easily be adjusted, completed and saved.

User friendly protocol templates

Protocol templates for creating standard protocols for the bicycle and treadmill ergometers are available. An efficient manner to define the amount, duration and type of stages, in interval- step- or bodyweight controlled- protocols. Adjusting those protocols can be done at any time.

Advanced protocol editor

Exercise Protocols with target energy and target distance stages are created with the protocol editor. Special body weight depended stages, linear stages, ramping stages or Heart rate controlled protocols are easily programmed and customized. Default protocols are available.

Backwards compatible with previous LEM versions

LEM 10 is compatible with LEM 6, 7, 8 and 9. This means that the database of these versions can be imported and used in LEM 10.

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Versatile data and ergometer management

The Lode Ergometry Manager - LEM 10 can a.o be extended with the following options:

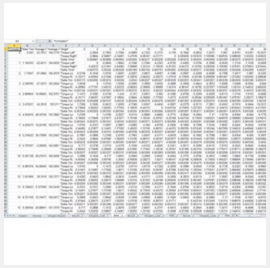
LEM 10 - Module Wingate Test plus

Easy to operate Sprint test for explosive

Partnumber: 955915

LEM 10 - Module Export

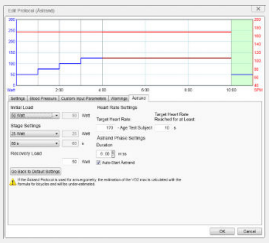
Export your data to MS Excel



Partnumber: 955920

LEM 10 - Module Åstrand

Reproducable test



Partnumber: 955916

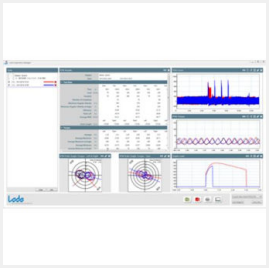
LEM 10 - Module Architect

Creating protocols with customer specific

Partnumber: 955921

LEM 10 - Module Pedal Force Measurement

Make pedal force visual



Partnumber: 955910

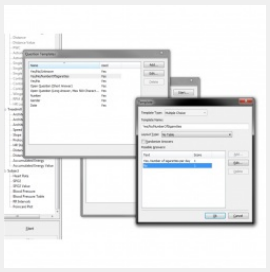
Upgrade to LEM 10 (from V9)

Even more versatile datamanagement

Partnumber: 955800

LEM 10 - Upgrade Module Questionnaire to LEM 10 (from V9)

Combining data consistency between



Partnumber: 955822

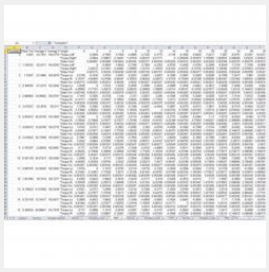
LEM 10 - Upgrade Module Wingate Test plus to LEM 10 (from V9)

Easy to operate Sprint test for explosive

Partnumber: 955815

LEM 10 - Upgrade Module Export to LEM 10 (from V9)

Export your data to MS Excel



Partnumber: 955820

LEM 10 - Upgrade Module Åstrand to LEM 10 (from V9)

Reproducable test

Partnumber: 955816

Related products

Excalibur Sport

The standard in Sports Medical diagnostic and performance testing.

Partnumber: 925900

Excalibur Sport with Pedal Force Measurement

The standard in Sports Medical testing with Pedal Force Measurement

Partnumber: 925909

Katana Sport

Unique Slat Technology

Partnumber: 934900

Katana Sport XL

XL sports treadmill with unique Slat Technology

Partnumber: 934930

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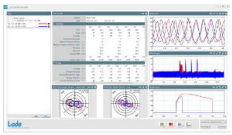

Versatile data and ergometer management

Specifications

User Interface

Norwegian user interface	yes
Czech user interface	yes
Dutch user interface	yes
Finnish user interface	yes
French user interface	yes
German user interface	yes
Japanese user interface	yes
Korean user interface	yes
Polish user interface	yes
Russian user interface	yes
Spanish user interface	yes

Minimum System Requirements

Intel Core based processor	yes
Monitor, resolution 1920x1080 pixels	yes
Internal RAM	1024 Mb
Minimum Free Hard Disk space	20 Gb
CD Rom drive required	yes
Number of free USB ports	1
Mouse	yes
Keyboard	yes

Compatibility

Microsoft Windows 8	yes
Microsoft Windows 7	yes
HL7 compatible	yes

Upgradeability

Enduser upgradeable from LEM 9	yes
Enduser upgradeable from LEM 8	yes
Enduser upgradeable from LEM 7	yes
Enduser upgradeable from LEM 6	yes

Preprogrammed protocols

25 Watt / minute	yes
Balke	yes
Balke modified	yes
Bruce	yes
Bruce (Mod)	yes
Bruce (pediatric)	yes
Chung	yes
Chung (Low Level)	yes
Claudicationet	yes
Ellestad	yes
Naughton	yes
Body Weight Controlled	yes
Weight dependent protocol	yes
Isokinetic	yes
Target Distance	yes
Target Energy	yes

Order info

Partnumber	955900

**Specifications are subject to change without notice.*

THE STANDARD IN ERGOMETRY

ISO 9001:2008 and ISO 13485:2003 certified

Lode B.V.
Zernikepark 16
9747 AN Groningen
The Netherlands
Tel: +31 50 5712811
Fax: +31 50 5716746
E-mail: ask@lode.nl
Internet: www.lode.nl