

# Corival Recumbent rehab

Easy positioning and entrance for all test subjects



## Highlights

### Reliable and reproducible stress tests

The experience of professionals who calibrate many ergometers showed that the Lode ergometers are the most reliable across the complete workload and rpm range and still within specifications even after many years of intensive use.

### Maximum patient weight 300 kg

Patients of up to 300 kg body weight can be tested on this ergometer

### Electric adjustable seat positioning

The seat of the ergometer can be adjusted electrically.

### Adjustable back support with flat CPR position

The back support can be adjusted in order to guarantee the most comfort position for each individual test subject. In case of emergency, the back support can be adjusted to a flat CPR position in 1 action.

### Suitable for all body postures

This ergometer is designed to offer comfort ergometry testing for test subject of all body postures.



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The latest design of the Corival Recumbent ergometer offers ergometry testing for test subjects up to 300 kg! Easy positioning and access is guaranteed by the electric adjustable seat and adjustable handgrips next to the seat. Moreover, the back support can be adjusted. For safety reasons, the back support can be positioned flat in CPR position in 1 step. This ergometer can be used for elderly and obese people and in rehabilitation settings. The Corival Recumbent is a special product from our Corival range. It is standard supplied with a 7" control unit with touch screen and a bottle holder. Thanks to the built-in network module, the ergometer can be connected to the Lode Cardiac Rehab Manager Software, Lode Rehab Manager or the Lode Ergometry Manager. A USB A-B cable for service purposes only will be standard delivered with the product. To connect LEM or LCRM you need a special interface cable that can be ordered under part number 930930.

## Features

**7  
watt**

### Extreme low start up load

The extreme low start-up load of 7 watts and the adjustability in small steps of 1 watt make this ergometer perfectly suitable for many different applications. The standard control unit shows multiple ergometry parameters and you can determine your specific default setting and start-up menu.



### Easy step-through

The ergometer has a comfortable step-through: a must for people who are not so mobile!



### Accurate over a long period of time

The Lode ergometers are supplied with an electro-magnetic braking mechanism of Lanooy (eddy current). The biggest advantage of this braking system compared to a friction braking system is the absolute accuracy and the accuracy over time. Moreover, friction braking systems have more wearing parts.

**1  
watt**

### Small adjustment steps

The workload of the Lode ergometers is adjustable in steps of only 1 watt. Depending on your wishes, the test operator or the test subject can adjust the workload. The steps of 1 watt are possible in the manual mode as well as within protocols.

**Versatile  
controls**

### Additional features with PCU

Besides the possibility to program 24 protocols easily, this control unit offers the following features:

- better monitoring because of the additional and larger display
- a perfect combination with BPM
- possibility to measure SpO2

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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




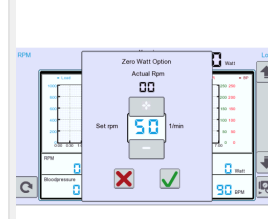






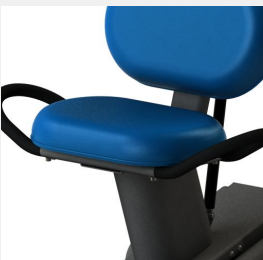


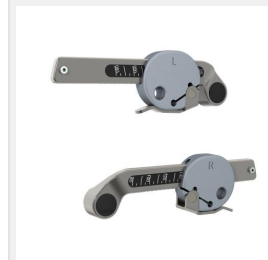
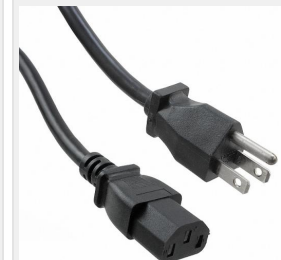
- Lossless data connection
- High bandwidth
- No interference of COM ports
- Daisy chain connection
- Full access of all data in the product to LCRM

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Corival Recumbent rehab can a.o be extended with the following options:

<p>Pedal shoes pediatric (pair)</p> <p>Pedal shoes for children</p>  <p>Partnumber: 917833</p>	<p>Communication Module</p> <p>Connect to ECG and spirometers</p>  <p>Partnumber: 945850</p>	<p>SpO2 for control unit with touch panel (extra long cable)</p> <p>Oxygen saturation</p>  <p>Partnumber: 945822</p>	<p>0-Watt start-up system</p> <p>Lowest possible startup power</p>  <p>Partnumber: 960805</p>	<p>Colour Display 3.5" - 2nd screen</p> <p>Multifunctionality</p>  <p>Partnumber: 945819</p>
<p>Network module connection cable</p> <p>Easy connection</p>  <p>Partnumber: 930930</p>	<p>SpO2 for control unit with touch panel - ordered afterwards</p> <p>Ordered afterwards</p>  <p>Partnumber: P945822</p>	<p>Add program function to 7" touch screen for ergometer</p> <p>Easily programmable</p>  <p>Partnumber: U945835</p>	<p>Ambient sensor pack</p> <p>Check environmental conditions during test</p>  <p>Partnumber: 945827</p>	<p>Blood Pressure with ECG trigger for bicycle ergometer with ECG trigger</p>  <p>Partnumber: 945828</p>
<p>XXL Seat for Corival Recumbent</p> <p>Comfortable seating</p>  <p>Partnumber: 969801</p>	<p>Remote Control for ergometers</p> <p>Ease of use</p>  <p>Partnumber: 945832</p>	<p>Bluetooth Smart heart rate</p> <p>Heartrate available within an extreme wide</p>  <p>Partnumber: 945833</p>	<p>Adjustable cranks</p> <p>Optimal force application</p>  <p>Partnumber: 960804</p>	<p>Custom pack Powercable 100 - 127 V for ergometers</p> <p>Easy connection</p>  <p>Partnumber: 945892</p>

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## Specifications

### Workload

Workload range fixed torque	0,1 - 70 Nm
Minimum load	7 W
Maximum peak load	1000 W
Minimum load increments	1 W
Maximum continuous load	750 W
Hyperbolic workload control	✓
Linear workload control	✓
Fixed torque workload control	✓
Maximum rpm independent constant load	150 rpm
Minimum rpm independent constant load	30 rpm
Optional heart rate controlled workload	✓
Electromagnetic "eddy current" braking system	✓
Dynamic calibration	✓

### Accuracy

Workload accuracy from 7 to 100 W	3 W
Workload accuracy from 100 to 500 W	3 %
Workload accuracy from 500 to 1000 W	5 %

### Comfort

Seat width	512 mm	20.2 inch
Minimum leg length user (incl. adjustable pedals)	650 mm	25.6 inch
Allowed user weight	300 kg	661.4 lbs
Adjustability range seat	400 mm	15.7 inch

### User Interface

English user interface	✓
Chinese user interface	✓
Croatian user interface	✓
Czech user interface	✓
Danish user interface	✓
Dutch user interface	✓
Finnish user interface	✓
French user interface	✓
German user interface	✓
Greek user interface	✓
Hungarian user interface	✓
Italian user interface	✓
Japanese user interface	✓
Korean user interface	✓
Latvian user interface	✓
Lithuanian user interface	✓
Norwegian user interface	✓
Polish user interface	✓
Portugese user interface	✓
Romanian user interface	✓
Russian user interface	✓
Spanish user interface	✓
Swedish user interface	✓
Turkish user interface	✓
Ukrainian user interface	✓
Readout Distance	✓
Readout RPM	✓
Readout Heartrate	✓
Readout target HR	✓
Readout Energy	✓
Readout Torque	✓
Readout Time	✓
Readout Power	✓
Set Display	✓
Set Resistance	✓
Set P-Slope	✓
Set Mode	✓
Manual operation mode	✓
Terminal operation mode	✓
Selfdesigned protocol operation mode	✓

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## Dimensions

Product length (cm)	183 cm	72 inch
Product width (cm)	79 cm	31.1 inch
Product height	149 cm	58.7 inch
Product weight	107 kg	235.9 lbs

## Power requirements

V AC	100 - 240 V
Phases	1
Frequency	50/60 Hz
Power consumption	160 W
Power cord IEC 60320 C13 with CEE 7/7 plug	✓
Power cord NEMA	✗

## Standards & Safety

IEC 60601-1:2012	✓
ISO 13485:2016 compliant	✓
ISO 9001:2015 compliant	✓

## Certification

CE class Im according to MDD93/42/EEC	✓
CE class of product with optional SpO2	Ila
CE class of product with optional BPM	Ila
CB according to IEC60950-1 - pending	✓

## Order info

Partnumber: 969901

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