

# Angio rehab with bed carrier

Supine rehabilitation solution for non-ambulatory post ICU patients



## 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.

### 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.

### 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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With this system, it is possible to activate the cardiovascular system of (post) ICU patients in an early stage. This will reduce the risk of thrombosis and embolisms, muscular hypotrophy, decubit scars / ulcers or sepsis. When the extubated patient starts exercising in an early stage, the cardiovascular system is activated. This could prevent muscular atrophy, infectuous skin and other complications which can occur during or after after ICU admission. Hence this may result in faster healing of patients and a shorter stay at the ICU.

The system can be transported easily which makes it possible to use it at the various other departments where the patient will proceed with the rehabilitation. Using the same Lode ergometer throughout the rehabilitation process will guarantee reproducible tests and efficient following of the recovery process of the patient.

## Recovering the quality of life after Covid-19: how can we help the ex-Covid-19 patients?

Together with our sistercompanies ProCare and Umaco, Lode has thought about this question. We want to contribute to the fight against the consequences of the Corona virus. Brainstorming with leaders in the Covid-19 domain gave us a clear picture of the expected situation and the rehabilitation process. Combining this with our network and our understanding of movement and performance resulted into a new platform. We hope to make a difference with this platform and to bring people into contact with each other in order to allow patients to return to their daily life in the most optimal way. For more information, visit: <https://www.covid-19rehab.nl/en/>. Here you will find validated tools to improve the recovery process. The website is continuously updated.

## Features

**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.

**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 to remove in case of emergencies

This system can be removed quickly from the bed in case of emergencies.



### Easy to transport

The system can be transported easily which makes it possible to use it at the various other departments where the patient will proceed with the rehabilitation.



### LEM compatible

This product can be used with Lode Ergometry Manager (LEM) software to manage data and to apply specific protocols when a Communication card is present



### LCRM compatible

This product can be used with Lode Cardiac Rehabilitation Manager software (LCRM)

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Angio rehab with bed carrier can a.o be extended with the following options:

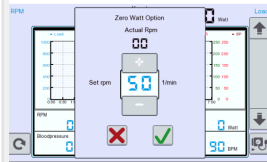
SpO2 for control unit  
with touch panel (extra  
long cable)  
Oxygen saturation



Partnumber: 945822

0-Watt start-up system

Lowest possible startup  
power



Partnumber: 960805

Add program function  
to 7" touch screen for  
ergometer  
Easily programmable



Partnumber: U945835

Blood Pressure with  
ECG trigger for bicycle  
ergometer  
with ECG trigger



Partnumber: 945828

Remote Control for  
ergometers

Ease of use



Partnumber: 945832

Adjustable cranks

Optimal force  
application



Partnumber: 960804

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## Specifications

### Workload

Torque range	1-70 Nm
Maximum rotational speed at 110 V	1 rpm
Minimum load	7 W
Maximum peak load	1000 W
Minimum load increments	1 W
Maximum continuous load	750 W
Hyperbolic 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	✓

### 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 %

### 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	✓
Preset protocol operation mode	✓
External control unit	✓
Selfdesigned protocol operation mode	✓

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## Dimensions

Product length (cm)	100 cm	39.4 inch
Product width (cm)	190 cm	74.8 inch
Product height	130 cm	51.2 inch
Product weight	12 kg	26.5 lbs

## Power requirements

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

## Standards & Safety

ISO 13485:2016 compliant	✓
ISO 9001:2015 compliant	✓

## Order info

Partnumber: 967927

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