

CARDIO with HUR SmartTouch Ergometer

Optimal adjustability and low effort ergonomic bikemounting



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.

Q-factor equal to road-bike

The Q-factor of the ergometer is equal to the Q-factor of road bikes, creating perfect training circumstances.

Rotatable handlebar with new lever

The new designed lever makes it even easier to adjust the handlebar. The handlebar can be rotated 360 degrees and is constructed in such a way that the test subject can be installed comfortably at every seating height.



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Ergometer

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This ergometer is one of the most popular ergometers worldwide. The low start-up load of 7 Watt is first-class. The ergometer has an eddy current electro-magnetic braking mechanism. The biggest advantage of this system is the accuracy which is one of the most important Lode principles. With this ergometer, the stress tests performed are reliable and reproducible. The workload is adjustable in a range of 7 to 1000 watt. The ultralow step-through enables easy access to the ergometer and the latest design guarantees a perfect ergonomic position. Moreover, the noise level is reduced to a minimum.

The ergometer is standard equipped with a programmable 7" control unit with touch screen, heartrate option and a bottle holder.

A USB A-B cable for service purposes only will be standard delivered with the product.

To connect to the HUR smart touch server you only need a UTP network cable

Features



7 inch display

This ergometer is standard supplied with a large 7 inch touch screen display.

**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.



Low noise

Due to accurate manufacturing and the careful choice of materials the product has an extremely low noise level.



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.



Readout of saddle height

The height of the saddle is stepless adjustable and can be read-out on the saddle shaft



Perfect ergonomic position

Improved ergonomic position according to the latest requirements.



Ultra-low step-through

The lowest possible step-through guarantees easy access to the ergometer for all test subjects: a must for people who are not so mobile!



Hidden connectors

The cables are connected to the ergometer under the ergometer, which means that the test subject or operator cannot bump onto the connector.



Bluetooth connectivity









Bluetooth connectivity allows for secure short and medium range connectivity of peripherals

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CARDIO with HUR SmartTouch Ergometer can a.o be extended with the following options:

<p>Saddle extra large</p> <p>Versatile ergometry</p>  <p>Partnumber: 401084</p>	<p>HR Belt Bluetooth Smart</p> <p>Smart connection</p>  <p>Partnumber: 928639</p>	<p>Packaging upgrade to wooden box</p> <p>Ultra heavy duty packaging</p>  <p>Partnumber: U501032W</p>	<p>Pedals with clicker straps</p> <p>User friendly pedals</p>  <p>Partnumber: 401111</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>	<p>Electric adjustable saddle height - Black</p> <p>Easy and accurate positioning</p>  <p>Partnumber: 960811</p>	<p>Baseplate extender Corival black</p> <p>Additional Stability</p>  <p>Partnumber: 960814</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	✓
Power range at maximum rpm (maximum)	1000 W

Accuracy

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

Comfort

Q-factor	180 mm
Minimum leg length user	645 mm 25.4 inch
Minimum leg length user (incl. adjustable pedals)	602 mm 23.7 inch
Allowed user weight	180 kg 396.8 lbs
Handlebar adjustment angle	360 °
Adjustability range seat	300 mm 11.8 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 RPM	✓
Readout Time	✓
Readout Power	✓
Set Resistance	✓
Screen size (diagonal)	17.78 cm 7 inch
Touchscreen	✓
Connectivity	
Programmable Control Unit with 7" Touchscreen	✓
Lode interface protocol	✓

Dimensions

Product length (cm)	105 cm	41.3 inch
Product width (cm)	46 cm	18.1 inch
Product height	114 cm	44.9 inch
Product weight	65 kg	143.3 lbs

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Power requirements

V AC	100 - 240 V	
Phases	1	
Frequency	50/60 Hz	
Power consumption	160 W	
Power cord length	250 cm	98.4 inch
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 IEC60385 CB	✓

Order info

Partnumber: 960906

**Specifications are subject to change without notice.*