CARDIO with HUR SmartTouch Arm Ergometer

Modern ergometer with multifunctional applications

Highlights

Easy to operate

For Lode products this means:
- easy to connect
- easy to move around
- easy user interface

Reliable and reproducible stress tests

The experience of professionals who calibrate many ergometers shows 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.

Multifunctional

The ergometer can be used for both arm and leg ergometry.

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With the stand, the ergometer can move up and down over a range of 140 cm. With the stand it is easier to move your arm ergometry setting to another room, because it stands free. Handgrips are standard included. The Arm ergometer is an ergometer unit that can be used for both arm and supine ergometry. Its compact design makes it universally applicable for ergometric studies in those sectors in which standard ergometry cannot be used. It operates independent of pedaling speed in the range of 7 - 1000 watt.

The ergometer is standard supplied with a programmable 7" control unit with touch screen and heartrate option.

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

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.

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.

Lode HUR

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

HR Belt Bluetooth Smart

Smart connection

Partnumber: 928639

Pedals with clicker straps

User friendly pedals

Partnumber: 401111

Adjustable cranks

Optimal force application

Partnumber: 960804

Custom pack Powercable 100 - 127 V for ergometers

Easy connection

Partnumber: 945892

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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	✔
Maximum rpm independent constant load	150 rpm
Minimum rpm independent constant load	30 rpm
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	
Adjustability range height	1400 mm

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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	✓
Maximum number of protocols	50
Set Display	✓
Set Resistance	✓
Set P-Slope	✓
Set Mode	✓
Manual operation mode	✓
Protocol operation mode	✓
Heartrate controlled protocols operation mode	✓
Preset protocol operation mode	✓
Analog operation mode	✓
Terminal operation mode	✓
External control unit	✓
Selfdesigned protocol operation mode	✓

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Connectivity

Programmable Control Unit with 7" Touchscreen	✓
Bluetooth available	✓

Dimensions

Product length (cm)	84 cm	33.1 inch
Product width (cm)	82 cm	32.3 inch
Product height	223 cm	87.8 inch
Product weight	95 kg	209.4 lbs
Width between stand	67 cm	

Power requirements

V AC	100 - 240 V
Phases	1
Frequency	50/60 Hz
Power consumption	250 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 - pending	✓
CB according to IECEE CB - pending	✓

Preprogrammed protocols

20 Watt / Minute	✓
25 Watt / minute	✓
Ramp 0 - 300 Watt	✓
WHO	✓

Order info

Partnumber:	967906

**Specifications are subject to change without notice.*

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