

Add program function to 7" touch screen for ergometer

Original
Quality
Option

Easily prepare and execute tests and training



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This function is an addition to the 7" control unit. All the functionalities of the standard control unit can still be used. The program function makes it possible to test and train on Lode devices with the use of protocols and targets. Without this function it is only possible to change the parameters such as load, speed and inclination during the exercise on the control unit manually. Protocols make it possible to have a controlled change in workload during the exercise. Protocols manage the load, speed and inclination during exercise in steps/intervals, ramps or even a heart rate controlled function. Defining the protocols beforehand not only provides a controlled workload, but also gives room to focus on the test subject during exercise because no manual adjustments are needed anymore. Up to 50 custom protocols can be programmed. The control unit also contains already predefined protocols. For treadmills these protocols are Balke, modified Balke, Bruce, modified Bruce, Chung, low level Chung, Claudicationet, Ellestad, Naughton and paediatric Bruce. For ergometers the predefined protocols are 20Watt/minute, 25 Watt/minute, Interval 25-75, Hollmann, WHO and Ramp 0-300W. Next to working with custom or predefined protocols, the program function makes it possible to directly start an exercise with a target heartrate, distance, time or energy expenditure. Furthermore, it is possible to include blood pressure measurements in protocols when integrated BPM is available. To upgrade to a programmable control unit please contact your local distributor!



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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.

The Excalibur Sport is designed for heavy duty sports medicine ergometry, without doing any concession on the esthetic, modern and robust design. In other words: Excalibur Sport: the gold standard in Ergometry!

The design of the ergometer and the housing material make it very easy to clean.



Original Accessory

Accessory designed and manufactured according to the Lode company quality standards

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.



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.



Compatible with ECG and pulmonary devices

The Lode ergometers have digital interfaces and can be controlled easily by all known stress ECG and pulmonary devices available in the world. This is one of the reasons why the Lode ergometers are very popular worldwide.

Specifications

Connectivity

Lode ERM interface protocol	✓
"HP Cosmos" interface protocol	✓
"Woodway" interface protocol	✓
"Trackmaster" interface protocol	✓
"GE" interface protocol	✓

Dimensions

Screen resolution	800 x 480 pixels	
Product depth (cm)	10 cm	3.9 inch
Product length (cm)	24 cm	9.4 inch
Product width (cm)	18 cm	7.1 inch

Preprogrammed protocols

20 Watt / Minute	✓
25 Watt / minute	✓
Holman	✓
Interval 25 / 75	✓
Ramp 0 - 300 Watt	✓
WHO	✓



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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	✓
Russian user interface	✓
Spanish user interface	✓
Swedish user interface	✓
Turkish user interface	✓
Ukrainian user interface	✓
Readout actual protocol / step	✓
Readout Angle	✓
Readout Target Angle	✓
Readout Distance	✓
Readout Speed	✓
Readout Target Speed	✓
Readout Heartrate	✓
Readout Energy	✓
Readout Time	✓
Readout Mode	✓
Readout Height	✓
Readout BPM	✓
Readout SpO2	✓
Maximum number of protocols	50
Maximum number of protocol steps	49
Manual operation mode	✓
Protocol operation mode	✓
Quick start operation mode	✓
Heartrate controlled protocols operation mode	✓
Preset protocol operation mode	✓
Heartrate controlled operation mode	✓

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specifications are subject to change without notice.

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ISO 9001:2016 and ISO 13485:2016

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