

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 9001:2003, ISO 13485:2008 and FDA 510K certified. All medical products comply to MDD 93/42/EEC, incl. IEC 60601-1.



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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In this system, the Angio is fixed to the wall. Handgrips are standard included. The Angio is an ergometric 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. The Angio operates independent of pedaling speed in the range of 7 - 1000 watt. The Angio cpet is standard supplied with a communication module and can therefor be easily controlled by all known stress ECG and pulmonary devices in the world. The workload, rpm and time can be readout from the 3,5" colour display.

Features



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.



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.



RS232 connectivity

RS232 ports enable connectivity to most ECG and ergospirometry devices as well as PC's.



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 or Network card is present



LCRM compatible

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



Versatile Interfacing

Various interface protocols guarantee perfect communication with all commonly known stress ECG and spirometry equipment



Customer specific display setting

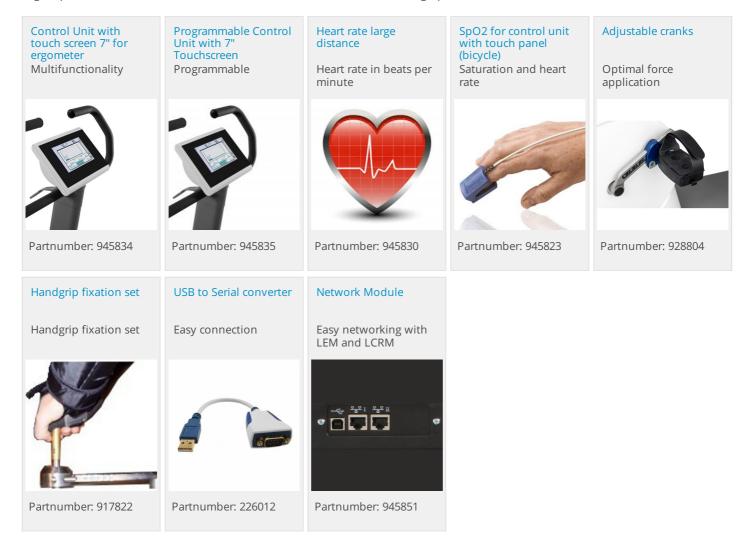
Display settings are adjustable according to your specific requirements: each individual has its specific wishes about the parameters to be displayed. This can easily be adjusted with the Lode ergometers.





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Angio cpet - with static wall fixation can a.o be extended with the following options:







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Specifications

Workload		
Minimum load	7 W	
Maximum peak load	1000 W	
Minimum load increments	1 W	
Maximum continuous load	750 W	
Hyperbolic workload control	\checkmark	
Linear workload control	\checkmark	
Fixed torque workload control	\checkmark	
Maximum rpm independent constant load	150 rpm	
Minimum rpm independent constant load	30 rpm	
Optional heart rate controlled workload	\checkmark	
Electromagnetic "eddy current" braking system	\checkmark	
Dynamic calibration	\checkmark	
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		
Readout Distance	\checkmark	
Readout RPM	\checkmark	
Readout Heartrate	\checkmark	
Readout target HR	\checkmark	
Readout Energy	\checkmark	
ReadoutTorque	\checkmark	
Readout Time	\checkmark	
Readout Power	\checkmark	
Set Display	\checkmark	
Set Resistance	\checkmark	
Set P-Slope	\checkmark	
Set Mode	\checkmark	
Manual operation mode	\checkmark	
Preset protocol operation mode	\checkmark	
Terminal operation mode	\checkmark	
External control unit	\checkmark	
Selfdesigned protocol operation mode	\checkmark	
Dimensions		
Product length (cm)	54 cm	21.3 inch
Product width (cm)	68 cm	26.8 in ch
Productheight	73 cm	28.7 in ch
Productweight	55 kg	121.3 lbs

Power requirements	
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VAC	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 13485:2003 compliant	~
ISO 9001:2008 compliant	~
Certification	
CE class Im according to MDD93/42/EEC - pending	\checkmark
CTüVus according to NRTL - pending	\checkmark
CB according to IECEE CB - pending	~

Order info				
	Ord	or	int	0
	Oru	e		0

Partnumber:

*Specifications are subject to change without notice.

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