Angio cpet - with static wall fixation
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 therefore 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:

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>Partnumber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control Unit with touch screen 7&quot; for ergometer</td>
<td>Multifunctionality</td>
<td>945834</td>
</tr>
<tr>
<td>Programmable Control Unit with 7&quot; Touchscreen</td>
<td>Programmable</td>
<td>945835</td>
</tr>
<tr>
<td>Heart rate large distance</td>
<td>Heart rate in beats per minute</td>
<td>945830</td>
</tr>
<tr>
<td>SpO2 for control unit with touch panel</td>
<td>(bicycle) Saturation and heart rate</td>
<td>945823</td>
</tr>
<tr>
<td>Adjustable cranks</td>
<td>Optimal force application</td>
<td>928804</td>
</tr>
<tr>
<td>Handgrip fixation set</td>
<td></td>
<td>917822</td>
</tr>
<tr>
<td>USB to Serial converter</td>
<td>Easy connection</td>
<td>226012</td>
</tr>
<tr>
<td>Network Module</td>
<td>Easy networking with LEM and LCRM</td>
<td>945851</td>
</tr>
</tbody>
</table>

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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
- 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 requirements
- V AC: 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 I according to MDD 93/42/EEC - pending
- CTÜVus according to NRTL - pending
- CB according to IECEE CB - pending

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
- Readout RPM
- Readout Heart rate
- 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
- Terminal operation mode
- External control unit
- Selfdesigned protocol operation mode

Dimensions
- Product length (cm): 54 cm / 21.3 inch
- Product width (cm): 68 cm / 26.8 inch
- Product height: 73 cm / 28.7 inch
- Product weight: 55 kg / 121.3 lbs

Order info
- Partnumber: 967902

*Specifications are subject to change without notice.*