

Angio imaging - with stress support radiology

Modern ergometry setting for radiology



Highlights

Comfortable bed for the Patient

- soft bed
- easy step up
- bedcover roll included
- headrests
- handgrips

Multifunctional

The ergometer can be used in various ergometry settings, enabling a multifunctional deployment.

Reliable and reproducible stress 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.

Various test modes

Besides the hyperbolic (rpm-independent) mode that is used most of the time, the standard control unit offers several other test modes, like the fixed torque mode and the linear mode. These modes can be used in both manual and terminal mode.

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.



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The stress support for Radiology is an electrically adjustable table for reclining ergometry. Thanks to its sturdy steel construction it is very stable, yet easy to move because of its retractable castor wheels. An adjustable shoulder support provides the stability you need to achieve clear pictures during exercise. Both leg support as well as back support panels can operate independently and are power actuated by means of remote control. The back support is made of radio translucent material. The electrical ergometer adjustment of the stress support for Radiology gives you the opportunity to move the ergometer forward and backward in order to fit all body sizes.

The Angio imaging is an ergometer that can be used for sitting 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 imaging 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 7" colour display. The ergometer is supplied with standard pedals.

For a 115V setting, please use part number 967940 when ordering.

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Features

**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.

**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.

**Service
friendly**

Service friendly ergometer

Lode ergometers are very service friendly. In general, total costs for spare parts are so low that they are negligible. Furthermore, most options are so easy to install and firmware is so easy to update that labor costs are minimal. Moreover, the ergometer can be cleaned easily.

**Versatile
controls**

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

**Custom
View**

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.



Versatile Interfacing








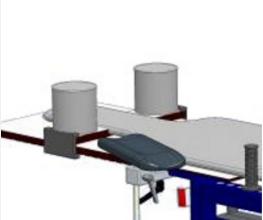








Various interface protocols guarantee perfect communication with all commonly known stress ECG and spirometry equipment

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Angio imaging - with stress support radiology can a.o be extended with the following options:

| | | | | |
|--|---|---|--|--|
| <p>Pedal shoes (pair)</p> <p>Extra stability during cycling</p>  <p>Partnumber: 917803</p> | <p>Pedal shoes pediatric (pair)</p> <p>Pedal shoes for children</p>  <p>Partnumber: 917833</p> | <p>Pedal shoes extra large (pair)</p> <p>For large feet sizes</p>  <p>Partnumber: 917834</p> | <p>USB to Serial converter</p> <p>Easy connection</p>  <p>Partnumber: 226012</p> | <p>Access Step for Imaging table</p> <p>Easy step up</p>  <p>Partnumber: 907813</p> |
| <p>Arm Support</p> <p>Additional comfort for patient and doctor</p>  <p>Partnumber: 907814</p> | <p>SpO2 for control unit with touch panel (extra long cable)</p> <p>Oxygen saturation</p>  <p>Partnumber: 945822</p> | <p>RS232 cable</p> <p>Easy connection</p>  <p>Partnumber: 930911</p> | <p>SpO2 for control unit with touch panel - ordered afterwards</p> <p>Ordered afterwards</p>  <p>Partnumber: P945822</p> | <p>Add program function to 7" touch screen for ergometer</p> <p>Easily programmable</p>  <p>Partnumber: U945835</p> |
| <p>Blood Pressure with ECG trigger for bicycle ergometer with ECG trigger</p>  <p>Partnumber: 945828</p> | <p>Usability pack Radiology</p> <p>Programming functions</p>  <p>Partnumber: 967830</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> | |

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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 | ✓ |

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

| | | |
|---|--------|-----------|
| Minimum leg length user (incl. adjustable pedals) | 620 mm | 24.4 inch |
| Allowed user weight | 160 kg | 352.7 lbs |
| Pedal shoes | ✓ | |
| Adjustability backpanel | 75 ° | |
| Adjustability ergometer | 200 ° | |

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 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 | ✓ |

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Connectivity

Control Unit with touch screen 7" for ergometer ✓

Dimensions

| | | |
|---------------------|--------|-----------|
| Product length (cm) | 204 cm | 80.3 inch |
| Product width (cm) | 60 cm | 23.6 inch |
| Product height | 128 cm | 50.4 inch |
| Product weight | 150 kg | 330.7 lbs |

Power requirements

V AC 230 V

Phases 1

Frequency 50/60 Hz

Power consumption 400 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 ✓

CE class of product with optional SpO2 Ila

CE class of product with optional BPM Ila

CB according to IECEE CB ✓

Order info

Partnumber: 967930

**Specifications are subject to change without notice.*