

CORIVAL RECUMBENT

Accurate ergometer 7 – 750 / 1000 watt

For obese and elderly test subjects

Convenient positioning

Digital and analog interface



Lode

the standard in Ergometry

Lode Ergometers

Corival Recumbent

Corival

Angio



Work output range

- continuous
- peak load (max. 6 minutes)
- increments

7 - 750 watt
1000 watt
1 watt

7 - 750 watt
1000 watt
1 watt

7 - 750 watt
1000 watt
1 watt

Workload control

- hyperbolic
- linear
- fixed torque
- heartrate controlled

yes
yes
yes
optional

yes
yes
yes
optional

yes
yes
yes
optional

Braking system (electro - magnetic)

eddy current

eddy current

eddy current

Constant load

- rpm independent

yes
30 - 150 rpm

yes
30 - 150 rpm

yes
30 - 150 rpm

Control unit

- workload accuracy

internal
7-100W ± 3W
100-500W ≤ 3%
500-1000 W ≤ 5%

internal
7-100W ± 3W
100-500W ≤ 3%
500-1000 W ≤ 5%

external
7-100W ± 3W
100-500W ≤ 3%
500-1000 W ≤ 5%

- functions

Manual, Analog,
Terminal, Protocols*

Manual, Analog,
Terminal, Protocols*

Manual, Analog,
Terminal, Protocols*

- * protocols

- display (type)
- display settings
- workload
- rpm

optional: HRC, 50 free
LCD 2x16 char.
custom selectable
7-1000 W

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- heartrate

0-255 digital
0-180 bargraph
optional

0-255 digital
0-180 bargraph
optional

0-255 digital
0-180 bargraph
optional

- timer

yes

yes

yes

- distance

yes

yes

yes

- torque

yes

yes

yes

- target HR

only with program. control unit
only with program. control unit

only with program. control unit
only with program. control unit

only with program. control unit
only with program. control unit

- energy

Calibration

dynamic

dynamic

dynamic

Interface

analog + digital

analog + digital

analog + digital

Seat & handlebars

- stepless adjustable seat

H: 535 – 650 mm (floor-seat top)
L: 615 – 990 mm (crank axis-seat top)

520 – 820 mm

- adjustable handlebars

360°

Maximum patient weight

250 kg

160 kg

Toeclips on pedals

yes

yes

yes

L x W x H in cm (inch)

177x76x112 (69,7x30x44)

115x60x114 (45,3x23,6x45)

73x42x54 (28,8x16,5x21,3)

Weight

80 kg

56 kg

33 kg

Power requirements

115/230 VAC
50/60 Hz (130 VA)

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115/230 VAC
50/60 Hz (130 VA)

Environmental conditions

- temperature, °C (°F)
- humidity, %
- air pressure, kPa

Operational
14 – 40 (57 – 104)
30 – 90
70 – 106

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Operational
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- temperature, °C (°F)

Storage
-25 – 70 (13 – 167)

Storage
-25 – 70 (13 – 167)

Storage
-25 – 70 (13 – 167)

- humidity, %

10 – 95

10 – 95

10 – 95

- air pressure, kPa

50 – 106

50 – 106

50 – 106

Standard & safety norms

ISO 9001 / ISO 13485 / FDA 510K
DIN 13405 / IEC 601-1

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Available extension modules

- Blood Pressure Measurement
- Programmable Control Unit
- Program. Control Unit with SpO2 & HR
- Heart rate
- 0-watt start up system
- Lode Ergometry Manager Software
- Calibrator

yes
yes
yes
yes, including HRC
yes
yes
yes

yes
yes
yes
yes, including HRC
yes
yes
yes

yes
yes
yes
yes, including HRC
yes
yes
yes

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rpm = revolutions per minute, HRC = Heart Rate Controlled, H = Height, L = Length.
Changes without prior notice



ISO 9001:2000 and ISO 13485:2003 certified

e-mail: ask@lode.nl

http://www.lode.nl