

# 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,  
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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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7-1000 W

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

- heartrate

optional

optional

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

- energy

only with program. control unit

only with program. control unit

only with program. control unit

### 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

### Toecaps 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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### Environmental conditions

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

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

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14 – 40 (57 – 104)  
30 – 90  
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- temperature, °C (°F)

*Storage*  
-25 – 70 (13 – 167)

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-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

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