

# 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



<b>Work output range</b> - 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
<b>Workload control</b> - hyperbolic - linear - fixed torque - heartrate controlled	yes yes yes optional	yes yes yes optional	yes yes yes optional
<b>Braking system (electro - magnetic)</b>	eddy current	eddy current	eddy current
<b>Constant load</b> - rpm independent	yes 30 - 150 rpm	yes 30 - 150 rpm	yes 30 - 150 rpm
<b>Control unit</b> - workload accuracy  - functions  * protocols - display (type) - display settings - workload - rpm  - heartrate - timer - distance - torque - target HR - energy	internal 7-100W ± 3W 100-500W ≤ 3% 500-1000 W ≤ 5% Manual, Analog, Terminal, Protocols* optional: HRC, 50 free LCD 2x16 char. custom selectable 7-1000 W 0-255 digital 0-180 bargraph optional yes yes yes only with program. control unit only with program. control unit	internal 7-100W ± 3W 100-500W ≤ 3% 500-1000 W ≤ 5% Manual, Analog, Terminal, Protocols* optional: HRC, 50 free LCD 2x16 char. custom selectable 7-1000 W 0-255 digital 0-180 bargraph optional yes yes yes yes only with program. control unit only with program. control unit	external 7-100W ± 3W 100-500W ≤ 3% 500-1000 W ≤ 5% Manual, Analog, Terminal, Protocols* optional: HRC, 50 free LCD 2x16 char. custom selectable 7-1000 W 0-255 digital 0-180 bargraph optional yes yes yes only with program. control unit only with program. control unit
<b>Calibration</b>	dynamic	dynamic	dynamic
<b>Interface</b>	analog + digital	analog + digital	analog + digital
<b>Seat &amp; handlebars</b> - stepless adjustable seat  - adjustable handlebars	H: 535 – 650 mm (floor-seat top) L: 615 – 990 mm (crank axis-seat top)	520 – 820 mm  360°	
<b>Maximum patient weight</b>	250 kg	160 kg	
<b>Toecaps on pedals</b>	yes	yes	yes
<b>L x W x H in cm (inch)</b>	177x76x112 (69,7x30x44)	115x60x114 (45,3x23,6x45)	73x42x54 (28,8x16,5x21,3)
<b>Weight</b>	80 kg	56 kg	33 kg
<b>Power requirements</b>	115/230 VAC 50/60 Hz (130 VA)	115/230 VAC 50/60 Hz (130 VA)	115/230 VAC 50/60 Hz (130 VA)
<b>Environmental conditions</b> - temperature, °C (°F) - humidity, % - air pressure, kPa  - temperature, °C (°F) - humidity, % - air pressure, kPa	<i>Operational</i> 14 – 40 (57 – 104) 30 – 90 70 – 106 <i>Storage</i> -25 – 70 (13 – 167) 10 – 95 50 – 106	<i>Operational</i> 14 – 40 (57 – 104) 30 – 90 70 – 106 <i>Storage</i> -25 – 70 (13 – 167) 10 – 95 50 – 106	<i>Operational</i> 14 – 40 (57 – 104) 30 – 90 70 – 106 <i>Storage</i> -25 – 70 (13 – 167) 10 – 95 50 – 106
<b>Standard &amp; safety norms</b>	ISO 9001 / ISO 13485 / FDA 510K DIN 13405 / IEC 601-1	ISO 9001 / ISO 13485 / FDA 510K DIN 13405 / IEC 601-1	ISO 9001 / ISO 13485 / FDA 510K DIN 13405 / IEC 601-1
<b>Available extension modules</b> - 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

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

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ISO 9001:2000 and ISO 13485:2003 certified

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