

# eBike L & EL

Semi-Couch & Stress Echo Ergometer for load echo cardiography

The new eBike L & eBike EL are specially designed for couch ergometry and stress echo applications. Both ergometers have a wide range of uses. The eBike L & eBike EL have a very ergonomic design that assures maximum patient safety and comfort. The proven eBike measurement intelligence combined with a very easy to use operator interface convinces on the clinical side and during the daily use. Both eBike L & eBike EL are offered in different combinations. It is offered with or without integrated Blood Pressure module and with standard or separate Control Terminal. The integrated Blood Pressure module can also be offered as an upgrade.

The eBike L & eBike EL has an automatic electrical adjustment device, which enables the ergometer to be quickly moved from the flat position directly to a position of 45° (also lateral 0° to 45° for eBike EL). When the patient is in this semirecumbent position, the muscular regions and the arms are relaxed, thus providing the ideal conditions for taking ECG and blood pressure measurements. Should the need arise during an examination, the ergometer, with its patient, can be converted from the semi-recumbent to the flat position within seconds, enabling treatment to be carried out immediately.



**eBike L**  
with standard Control Terminal



**eBike EL**  
with separate Control Terminal

The hinged couch is mounted on a firm base. There are two footplates to facilitate access for elderly or disabled patients. The legs are positioned at the ideal angle to the tread crank and there is no danger of the feet slipping. The headrest, complete with shoulder supports and arm rests, is secured by a guide rail and this ensures that blood pressure measurement can be taken safely. The computer-controlled blood pressure module ensures maximum accuracy and includes automatic failsafe measurements.

The examination of a patient under stress is increasingly asked for in the special line of echo cardiography as well as in electrocardiography in order to render a reliable diagnosis possible. The leaning/halfleaning safety ergometer eBike EL from GE Healthcare has been designed especially for echo cardiography.



Specifications eBike L & eBike EL	
<b>Operating Mode</b>	Continuous operation
<b>Power Supply</b>	110 to 120 V, 50 to 60 Hz 220 to 240 V, 50 to 60 Hz
<b>Power Consumption</b>	80 VA max.
<b>Braking Principle</b>	Computer-Controlled eddy current brake with torque measurement; speed independent to DIN VDE 0750-238
<b>Load Range</b>	6 to 999 Watt, speed (RPM)-independent
<b>RPM Range</b>	30 to 130 RPM
<b>Load Error</b>	±5% between 20 and 900 W and ±3W max. between 20 and 100 W
<b>Load Increments</b>	Configurable: 1, 5, 10 or 25 W
<b>Moment of Inertia</b>	10 kg x m <sup>2</sup>
<b>Flywheel Mass</b>	7 kg
<b>Crank Length</b>	170 mm
<b>Internal Protocols</b>	5 fixed protocols, 10 user-configu- rable protocols
<b>Interfaces</b>	2 x RS232: 9-pin Sub-D 1 x RS232: 5-pin DIN socket Analog input for target load: 8-pin DIN socket Analog output for current load: 8-pin DIN socket Remote start EKG unit: 1...30 s before load change
<b>Display</b>	115 x 88 mm, 320 x 240 pixels
Environment/Operation	
Temperature:	between +10°C and +40°C
Relative Humidity:	30 to 75%, no condensation
Atmospheric Pressure:	700 to 1060 hPa
<b>Certification</b>	CE 0123

Accessories	
	Please contact your GE representative for our wide range of tested and approved quality accessories and consumables.
eBike L	
<b>Patient Weight</b>	160 kg max.
<b>Saddle Height Adjustment</b>	Motor-driven, continuous for patients from 120 to 210 cm
<b>Tilt Range</b>	Motor-driven, from a flat position to 45°
<b>Dimensions (WxL):</b>	800 x 2350 mm min. (tilted 45°, head support in bottom position) 800 x 2520 mm max. (horizontal, head support in upper position)
<b>Weight</b>	approx. 110 kg
eBike EL	
<b>Patient Weight</b>	140 kg max.
<b>Saddle Height Adjustment</b>	Motor-driven, continuous for patients from 120 to 200 cm
<b>Tilt Range</b>	Motor-driven, from a flat position to 45°; lateral 0° to 45°
<b>Dimensions (WxL):</b>	800 x 2100 mm min. (tilted 45°, head support in bottom position) 1200 x 2600 mm max. (tilted 45°, head support in upper position)
<b>Weight</b>	approx. 140 kg

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