

Non-Invasive Cardiology

Specification Sheet

eBike Ergometer



The GE Healthcare ergometrics equipment is being expanded with the adaptable and high-performance eBike series of bicycle ergometers. eBikes are rounds per minute-independent bicycle ergometers for load ranges between 20 and 999 watts. The robust mechanical construction ensures reliable function even when in constant use. The particularly ergonomic design offers a seating position for optimal performance for all body sizes, and makes it easy to mount the bike. This makes it especially easy for older people and people with restricted movement to get on and off the bike.

The connection between GE Healthcare stress-testing systems and eBike allows for easy control of the entire examination.

eBike is available in two versions – eBike Basic and eBike Comfort – with different characteristic features.



eBike Basic Ergometer

- Rounds per minute - independent load
- Two different control units
- Load accuracy according to DIN VDE 0750-238
- Continuously variable seat height adjustment
- Digital display of saddle height
- Handlebars adjustment
- Digital and analog interfaces to GE stress-testing systems
- Automatic blood pressure measurement (can also be installed later as option)

eBike Comfort Ergometer

- Rounds per minute-independent load
- Two different control units
- Load accuracy according to DIN VDE 0750-238
- Electrical, non-graduated seat height adjustment
- Digital display of saddle height
- Dual handlebars adjustment (height and angle)
- Multiple expansion options (children, sportsmen)
- Digital and analogue interfaces to ECGs and PC-ECGs
- Automatic blood pressure measurement (can also be fitted later as an option)





PC control panel

- For control via ECG writer and PC-ECG
- Fully programmable stress-testing programs
- Display of key values on screen
- Automatic blood pressure measurement (optional)

PCplus control panel

- Large graphics display, integrated touch-panel keyboard
- Fully programmable stress-testing and training programs
- Graphic display of current status of stress-testing / training program
- Automatic blood pressure measurement (optional)

	eBike Basic PC control panel	eBike Basic PCplus control panel	eBike Comfort PC control panel	eBike Comfort PCplus control panel
Drive unit				
Brake system	Computer-controlled eddy current brake		Computer-controlled eddy current brake	
Load	20-999 watts, rpm-independent		20-999 watts, rpm-independent	
Accuracy	Complies with DIN VDE 0750-238		Complies with DIN VDE 0750-238	
rpm range	30-130 rpm		30-130 rpm	
Seat height adjustment, cont. variable mech.	For body heights 120-210 cm		For body heights 120-210 cm	
Seat height adjustment, cont. variable elec.			dual adjustment: height 90-126 cm	
Handlebars adjustment	Tilt thru 360°		(handlebars at 45°) / angle; Tilt thru 360°	
Operating Unit				
Display	LCD (128 x 64)	Graphic LCD (320 x 240)	LCD (128 x 64)	Graphic LCD (320 x 240)
Graphic display (stress curve, pulse curve)	-	●	-	●
Patient display	rpm (LED)		rpm (LED)	
Keyboard	Touch-panel keyboard		Touch-panel keyboard	
Ergometry Programs				
Fully programmable	10	10	10	10
Set graduated programs (WHO, Hollmann, etc.)	5	5	5	5
Manual load setting	●	●	●	●
Expansion Options				
Automatic blood pressure measurement	○	○	○	○
Interfaces				
Digital RS-232 interface	●	●	●	●
Analogue interface (target load)	●	●	●	●
Remote start output (start pulse for ECG)	●	●	●	●
Other Details				
Dimensions (L x W x H max.)	90 cm x 46 cm x 133 cm		90 cm x 46 cm x 133 cm	
Weight	64 kg		64 kg	
Power supply	90-265 V / 50-60 Hz (80 VA max.)		90-265 V / 50-60 Hz (80 VA max.)	

● = Standard ○ = Option - = N/A



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