

BICYCLE ERGOMETER

ergoselect 100



ergoline
MOVING TO HEALTH

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The classic ergometers for exercise ECG tests.

From a powerful ergometer for exercise ECG and performance diagnostics to stand-alone use for heart-rate controlled training – the integration of different modules offers maximum user flexibility for assembling an ergometer that truly meets every need.



ergoline bicycle ergometer ergoselect 100

- functional design
- innovative, future-proof technology
- hygienic, easy-to-clean surfaces
- mechanical seat adjustment
- patient weight up to 160 kg
- load range from 6 to 1000 Watts
- 10 user-programmable exercise test protocols
- excellent stability
- wide range of expansion options



Learn more about ergoselect 100 –
with 360° view and technical features.





Max. patient weight up to 160 kg

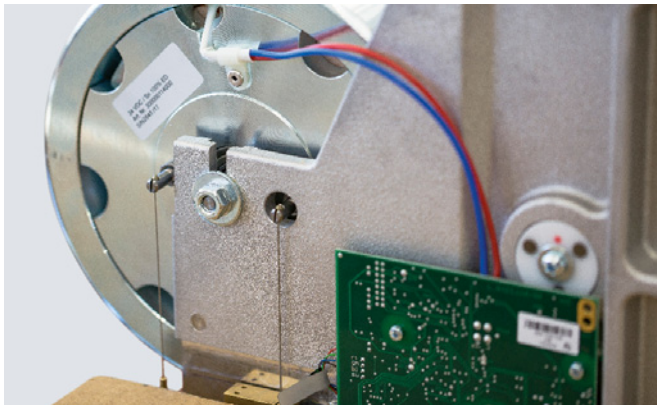
The seat height adjustment in conjunction with a tilt protection panel allows for the safe performance of exercise tests, even with patients weighing up to 160 kg.



High-quality materials

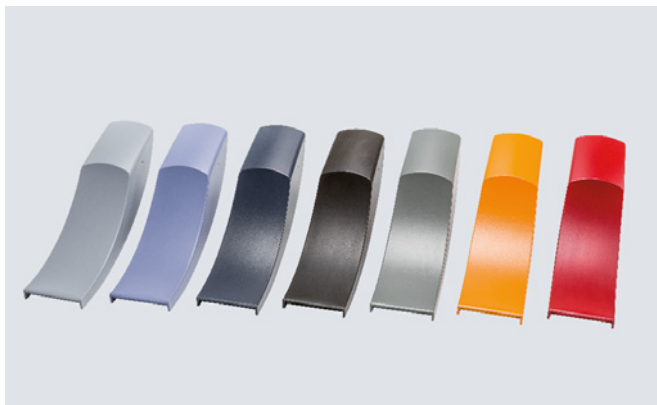
The noise-insulating ergometer case made of high-quality, specially coated polyurethane foam features an easy-to-clean, sweat-resistant surface.





Precise load control

Thanks to the use of high-quality control electronics and reliable components, our devices don't just meet the standard specifications for medical ergometers, but far exceed them. Over the entire load range from 6 to 1000 Watts.



Color variants

The ergometer cases are available in many colors to match any practice or hospital interior design.



ECG connection

The ergoline interface protocol is now considered the industry standard. All leading ECG manufacturers support a control option for ergoline ergometers in their exercise ECG or ergospirometry systems.



Universal interfaces

A wide range of connection options guarantees reliable communication with external devices such as PC-based ECG units and ECG recorders.

In addition to the standard RS-232 and USB interface, we of course also offer analog and wireless connections via Bluetooth or WiFi.

ergoline bicycle ergometer ergoselect 100 – modules, expansion options



Control terminals

The ergometer control terminal is available in 2 versions:

Type P: Control via PC/ECG unit or by exercise test protocols, and manual operation

Type K: Same as Type P, with additional training and test protocols and graphics display





Automatic blood pressure measurement

The optionally integrated, automatic blood pressure measurement works with a specifically developed cuff microphone. The combination of auscultatory measurement and sophisticated algorithms for artifact suppression yields precise measurement values – even at high loads.



Integrated SpO2 measurement

The ergometer can be equipped with an SpO2 measurement module for precise monitoring of the patient's oxygen saturation during ergometric testing. A wide selection of suitable SpO2 sensors is available in different sizes.



Horiz. seat adjustment

The seat position can be shifted horizontally by approx. 10 cm.



Pedal cranks, adjustable

The length of the pedal cranks can be adjusted in a range from 12 to 17 cm.



Comfort pedals

Extra-wide pedals with adjustable pedal straps (ratchet mechanism).



Triathlon handlebar

As an alternative to the standard handlebar, ergometers used for performance diagnostics can also be equipped with a triathlon handlebar that is adjustable over a wide range. Together with the adjustable pedal cranks and the horizontal seat adjustment, this allows for setting up an optimal test/training position for test subjects.

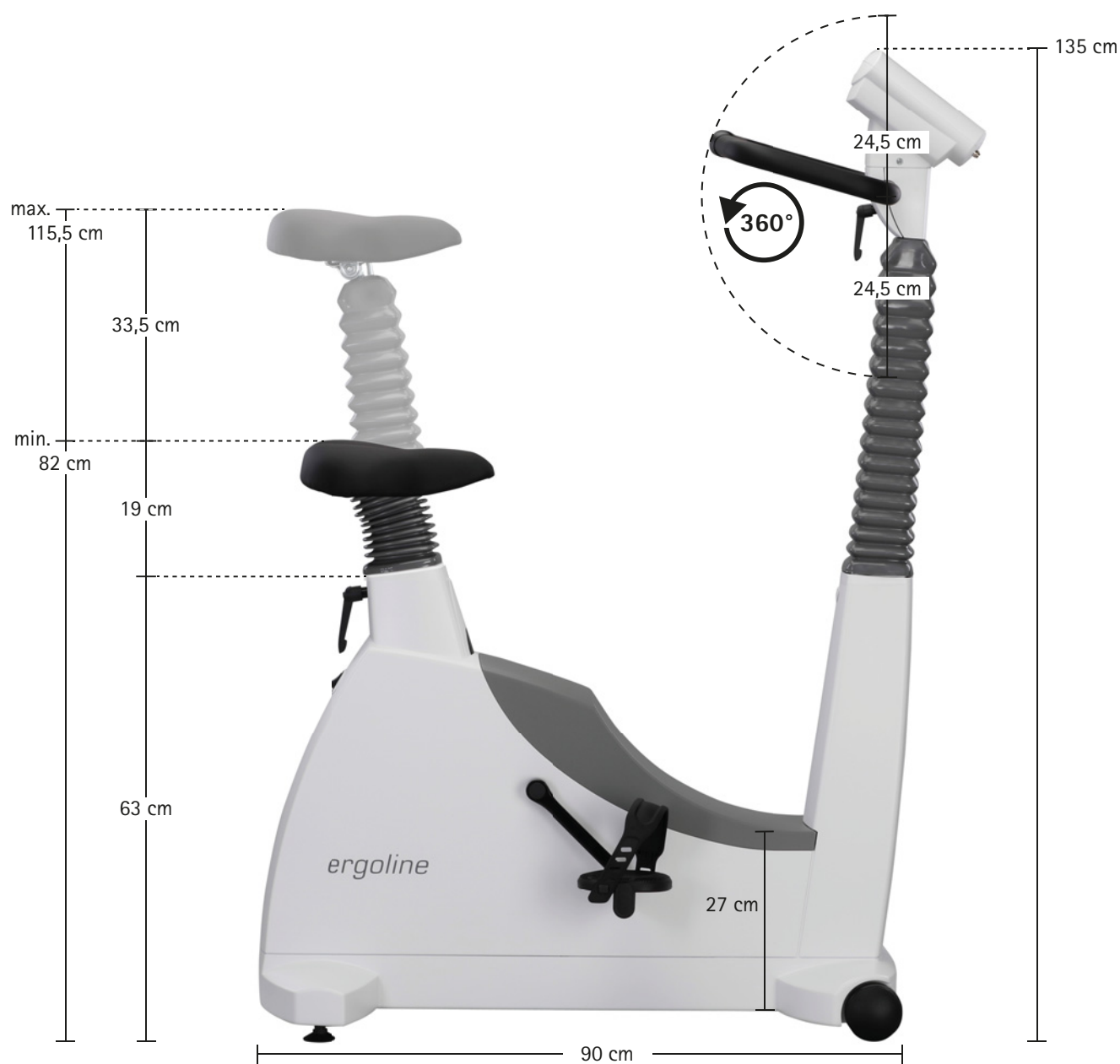


HR belt / chip card

The digital chest strap reliably transmits the heart rate to enable controlled, pulsed driven training – fully documented on a chip card.

ergoselect 100 – Measurement

Dimensions



ergoselect 100 – Technical Specifications

Bicycle ergometer		ergoselect 100
Brake system		microprocessor controlled eddy current brake
Load		6 – 999 Watt, speed independent
Accuracy		according to DIN VDE 0750-238
Speed range		30 – 130 rpm
Handlebar adjustment		inclination 360°
Saddle height adjustment		continuously mechanical
Patient height		approx. 120 cm – 210 cm
Patient weight (max.)		160 kg
Control panel		
Display / patient display	load, rpm, speed, time, blood pressure, spo2 (option), heart rate (LCD) / rpm (LED)	
Keyboard		membrane keyboard
Graphic display (load, heart rate)		○ (type K)
Exercise protocols		
User programmable		10
Fixed incremental protocols (WHO, Hollmann, etc.)		5
Manual load control		●
Training protocols		
Pulse-controlled training (integrated HR receiver)		○ (type K)
Predefined performance tests		○ (type K)
Options		
Automatic blood pressure measurement		○
Oxygen saturation measurement		○
Interfaces		
Digital (RS-232, USB) / analog / remote start		● / ○ / ○
Dimensions and Weight		
Ergometer		Ergometer with packaging
Lenght:	90 cm	Lenght: 107 cm
Width:	42 cm (Width handlebar approx. 53,5 cm)	Width: 60 cm
High:	135 cm	High: 146 cm
Weight:	approx. 74,5 kg	Weight: approx. 92,5 kg
Miscellaneous		
Power		100 – 240 V / 50 – 60 Hz / 100 VA max.

● Standard ○ Option

PREMIUM QUALITY



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