

Technical Specifications

Ergometer		optibike 50 med
brake system		microprocessor controlled eddy current brake
load		6 - 400 Watt, speed independent
accuracy		according to DIN VDE 0750-238
speed range		30 - 130 rpm
handlebar adjustment		angle: 360°
saddle height adjustment		mechanical, continuous
body height		approx. 120 cm to 210 cm
weight		160 kg (max.)
Control unit		
display (numeric values)		load, speed (rpm), heart rate, exercise time, km, kcal, kJ
display (graphics)		load and pulse curve
keyboard		membrane keyboard
Heart rate		
acquisition		chest belt with digital radio transmission (optional)
reception		radio receiver integrated in control terminal
Exercise protocols		
manual load adjustment		in steps of 1, 5 or 10 watts
training modes		constant load, pulse-controlled, interval, manual
exercise protocols		10 (user-configurable)
Add-ons (optional)		
training documentation		ergoline chipcard stores up to 60 training sessions
PC software for exercise documentation		opticare basic
Miscellaneous		
dimensions, max. (L x W x H)		approx. 90 cm x 46 cm x 133 cm
weight		61 kg
power		90-265 V / 50-60 Hz / 60 VA max.



optibike 50 med
Exercise Ergometer



ergoline GmbH
Lindenstrasse 5
D-72475 Bitz
Germany
Tel.: +49-(0)-7431 - 9894 - 0
Fax: +49-(0)-7431 - 9894 - 128
email: info@ergoline.com
internet: www.ergoline.com

From development to production, all ergoline products are subject to a quality management system certified to DIN EN ISO 13485:2003.
All products are CE-marked and fulfill the requirements of the medical device directive 93/42/EEC.

Some of the illustrations in this brochure show options which must be purchased separately.
The data provided is based on the information valid at the time of printing.
Subject to modifications.



The handlebar angle is continuously adjustable allowing test subjects of different heights to sit upright.

The comfortable, wide seat prevents pressure marks, even during long training session.
Similar to a bicycle saddle, the seat tilt is adjustable.

The continuously adjustable saddle height allows you to find the best possible position for each individual test subject.

Height-adjustable feet are provided on the ergometer to compensate for uneven floor conditions and to ensure ergometer stability during the training.



The user interface is intuitive and easy to operate. Just press a few keys and start exercising.
The large graphic display shows all relevant numeric values as well as a diagram with the pulse and load curves.



All optibikes are ready to accept chip cards.
Via the integrated chip card reader, the results of the training session can be saved to an ergoline training card and then downloaded to a PC for editing and printing (opticare basic software program).



optibike 50 med

The perfect exercise ergometer for professional cardiovascular training.

One of the major goals of cardiological rehabilitation is the systematic development of the cardiovascular system's performance.

optibike 50 is the ideal training ergometer, even for orthopedic patients and supports all known training modes: pulse-controlled training by means of a digital radio chest belt, constant load and interval training.

designed for patient comfort

The ergometer is so easy to operate that patients will complete their training without any problems at all.
Simply press a few keys and watch the large display to see how heart rate and load change during the session.
Training sessions precisely controlled by the patient's heart rate are one of the invaluable assets. A chest belt acquires the ECG signals which are used to control the ergometer workload to achieve a constant heart rate.

practice oriented

Up to 10 different training protocols (all training modes) can be preconfigured on the chip card. These protocols allow all parameters, incl. warm-up and recovery phases, to be easily adapted to each patient's capabilities.
The details of up to 60 training sessions can be stored on the chip card and afterwards documented and analyzed by the doctor or physiotherapist.

competent

The rugged mechanical construction guarantees outstanding safety and trouble-free operation, even when the ergometer is permanently in use.
All ergoline ergometers are produced with only high quality components and, of course, satisfy all applicable standards and requirements for medical grade crank ergometers.
A network of authorized, ergoline-trained service engineers is available in your country for repairs or other service interventions (such as inspections of the measuring system).