

## Technical Specifications

<b>Ergometer</b>	<b>optibike 50 med</b>
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.)
<b>Control unit</b>	
display (numeric values)	load, speed (rpm), heart rate, exercise time, km, kcal, kJ
display (graphics)	load and pulse curve
keyboard	membrane keyboard
<b>Heart rate</b>	
acquisition	chest belt with digital radio transmission (optional)
reception	radio receiver integrated in control terminal
<b>Exercise protocols</b>	
manual load adjustment	in steps of 1, 5 or 10 watts
training modes	constant load, pulse-controlled, interval, manual
exercise protocols	10 (user-configurable)
<b>Add-ons (optional)</b>	
training documentation	ergoline chipcard stores up to 60 training sessions
PC software for exercise documentation	opticare basic
<b>Miscellaneous</b>	
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.



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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.

Autorizovaný obchodní a servisní partner:

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*optibike 50 med*  
*Exercise Ergometer*

**ergoline**

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).