

ergoline chip card	
Type	chip memory card
Capacity	approx. 60 ergometer training sessions
Database	
Number of patients	unlimited (with opticare basic home: 10)
Number of training sessions	unlimited
Training protocols	
Number of protocols	10, user-programmable
Training modes	constant load, pulse-controlled, interval, manual
Training time	1 to 99 min
Display formats	
Overview	tabular, graphic
Single training session	graphic (any parameters)
Documentation	
Printouts (color or b/w)	tabular/graphic overview / single training session in graphic form
Data export	all values in a CSV file
System requirements	
Operating system	Windows 2000, XP, Vista, Windows 7
Disk space	approx. 5 MB for the program
Chip card reader	SCM microsystems Chipdrive [Towitoko]



Chip Card Software for ergoline Ergometers

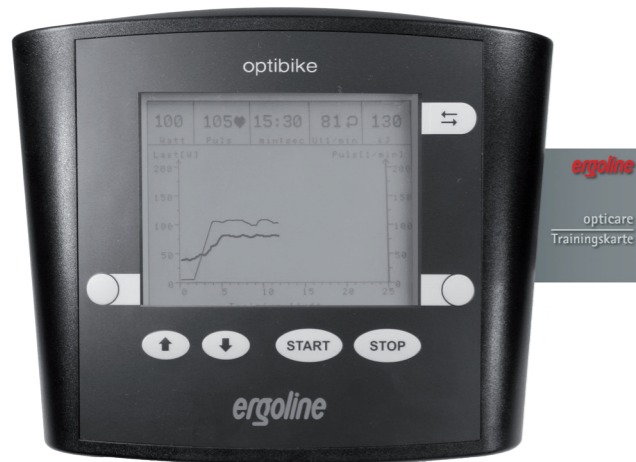


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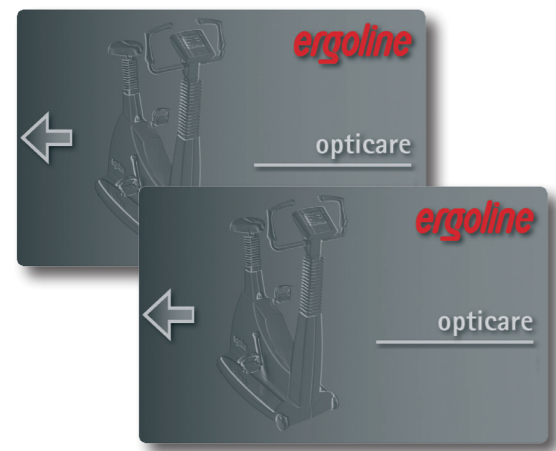
Development and production of all ergoline products are subject to a certified quality management system according to DIN 9001:2000 and DIN EN ISO 13485:2003. All products are CE-marked and fulfill the requirements of the medical device directive 93/42/EEC.

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.





ergoline training ergometers come with an integrated chip card unit that is capable of reading the training cards and of writing to the cards.

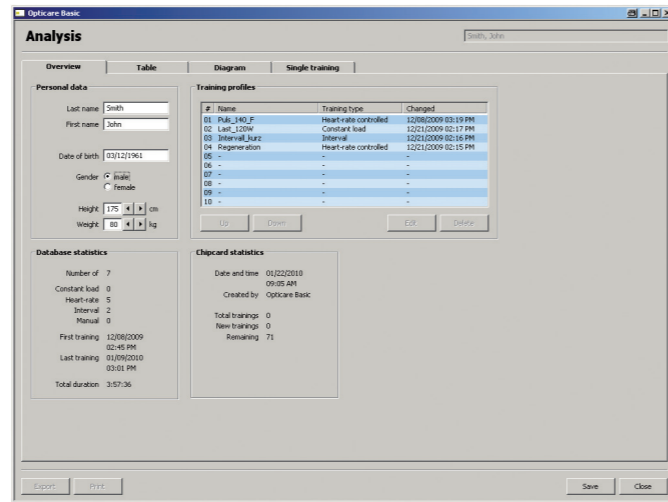


opticare basic

The perfect complement for documenting cardiovascular training sessions.

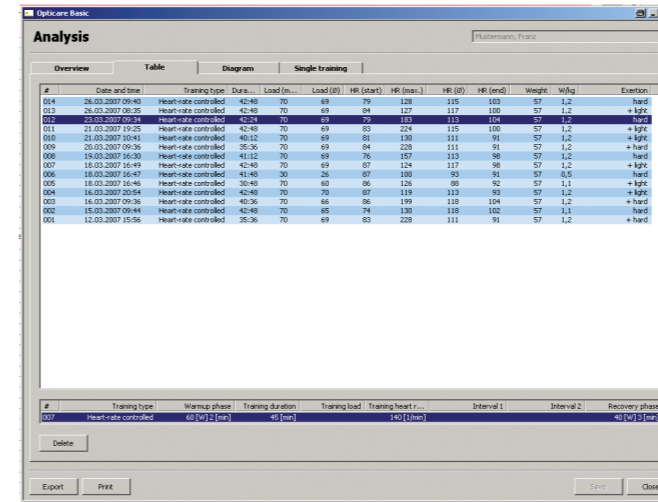
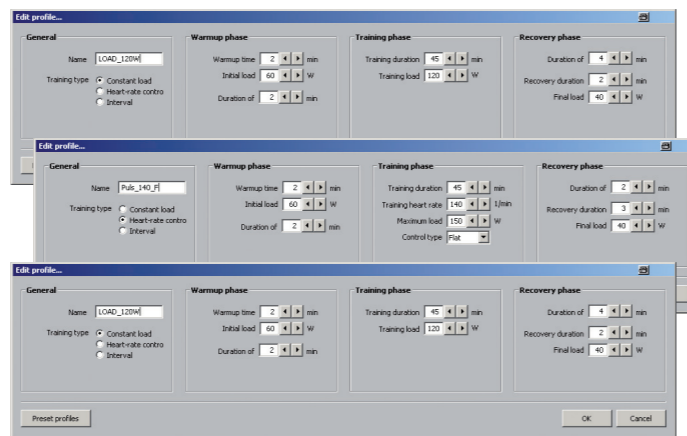
Individual programs can be stored on a chip card and transferred to an ergoline ergometer for the training session.

After the session, the ergometer saves all training data (pulse readings, load waveforms, etc.) to the chip card. From the card, the data can be uploaded to the PC for review and documentation with the opticare basic software program.



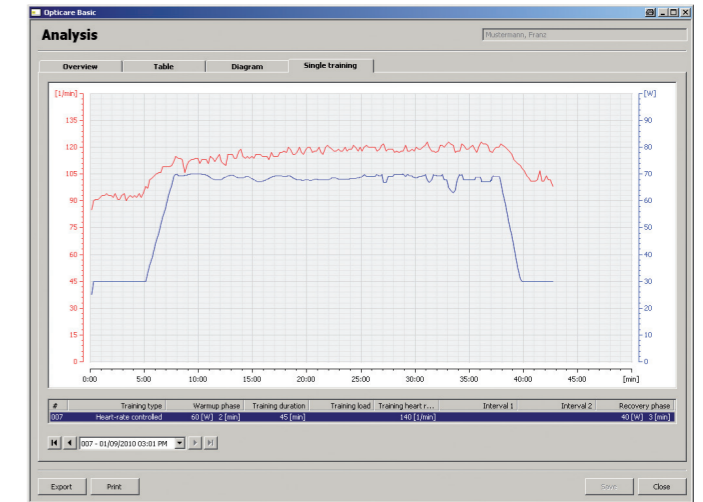
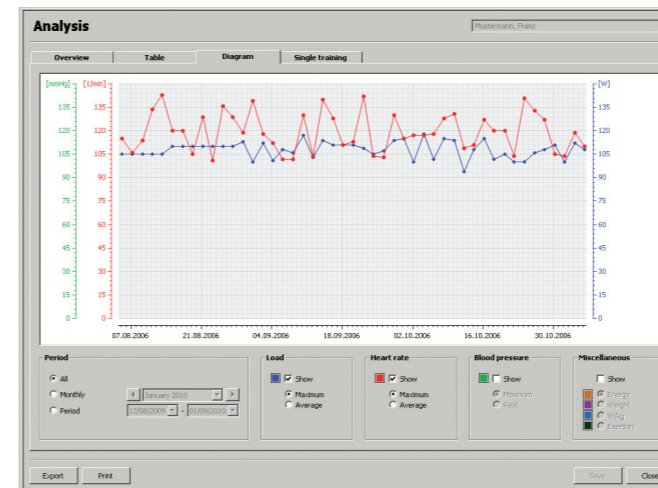
Together with the corresponding training protocols, the relevant patient data are stored in the database.

The configuration of a training protocol includes the definition of the training type (e.g., pulse controlled) as well as of the specific parameters.



The most important values from all training sessions of a particular patient are presented in a clearly structured data table.

As an alternative, single values (such as the maximal achieved heart rate) can also be shown in graphic form, in a user selectable time window.



Each single training session can be reviewed in graphic form with heart rate and load waveforms. On top of that, all the relevant parameters (such as the type and duration of the training session, the max. and mean HR, etc.) are indicated as numeric values.

individual

Up to 10 different training protocols (constant load training, pulse controlled training or interval training) can be configured for each individual and stored on an ergoline chip card.

These protocols allow all training parameters, including warm-up and recovery phases, to be easily adapted to each patient's capabilities.

practice oriented

The ergoline ergometers used for the training sessions (ergoselect 100K / 200K, optibike / med) can be configured to permit training only with the protocols stored on the chip card, making it impossible for patients to exercise at higher loads.

The storage capacity of the chip card is sufficient for a maximum of 60 ergometer training sessions with the full set of data (pulse waveform, load, etc.). Then the data must be uploaded to the PC.

documented

The training results of an unlimited number of patients can be stored in the integrated database of the opticare basic software program.

A multitude of display and documentation options is available to allow patient performance to be assessed.

The data can be exported for further processing (e.g., for research purposes).