

The Production of medical diagnostic devices is the crown of the ergometer manufacturing.

daum electronic is certified in compliance with the severe standards for medical products and thus homologated to design and manufacture this type of devices.

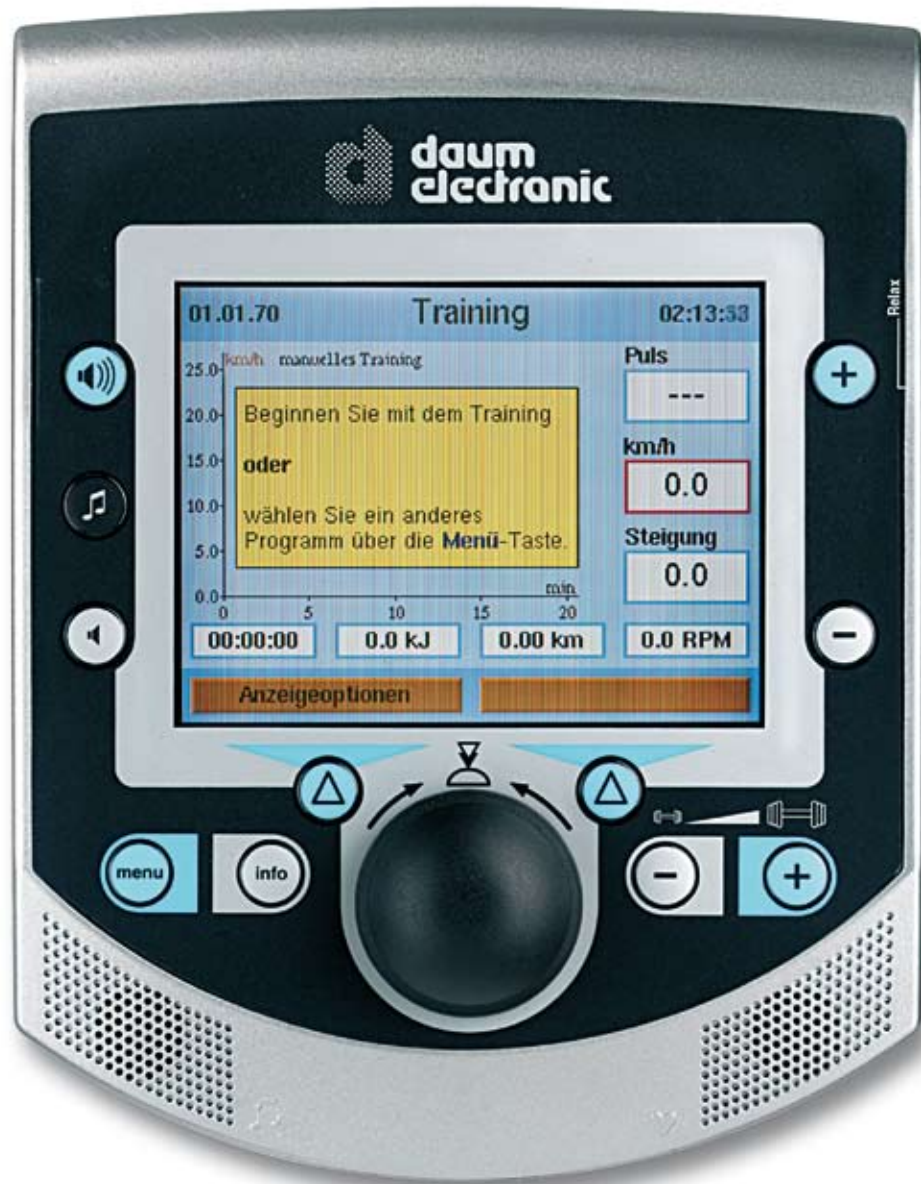
- ergo\_bike medical8
- ergo\_bike medical8i / medical8i\_2
- ergo\_bike medical8s
- ergo\_row medical8
- ergo\_lyps medical88
- ergo\_run medical8 / medical\_a24



# medical



# medical Cockpit



## Premium functionality with medical measurement precision

The dashboard of the medical series has one decisive feature: it is certified according to the law for medical products DIN EN ISO 13485:2003 and RL 93/42/EWG appendix II and may as such be used for all the medical diagnostic applications. Some software details specially applied to this end contribute to making the ergometers of the medical series into ideal training devices for clinics and rehabilitation centres. All the advantages of the premium dashboard are consistent with the medical requirements.

An overview of the features:

- Integrated SD memory card reader
- Equipped with more than 100 integrated watt, heart rate, RPM, distance and strength training programs
- All the available training programs can be linked with one another
- Heart rate interval training with a chest belt
- Creation of personal training programs
- Training supervision and control over Internet
- Group training with central control possibility
- Competition mode over Internet or network
- Individual setting of training limits to avoid overloading
- Identification of training progresses (comparing a present training with a previous training session)
- Recording, evaluation and display of training data that are saved on the memory card
- SD memory card included
- Integrated 32 bits processor with 64MB RAM
- USB functionality for future applications
- Software updates with the memory card
- RS 422 Interface
- Illuminated 5.7 inches colour LCD
- Mp3 playback of your own music titles saved on the memory card
- Stereo playback over the internal speakers, headset or external active speakers
- Bluetooth (optional)
- Studio mode
- User friendly menu system with windowing technology
- Integrated help system with keywords index
- Possibility to lock specific menu parts with PIN Codes
- Integrated performance measure for the bike ergometers
- Audio and video training directions
- Multilanguage controls
- Guest mode



## ergo\_bike medical8

### Safety in diagnostic and Rehabilitation

This device specially designed with medical requirements in mind satisfies the highest quality expectations.

Medical product of class II a (CE 0297) according to the following standards

- IEC EN 60601-1
- IEC EN 60601-1-1
- IEC EN 60601-1-2
- IEC EN 60601-1-4
- EN 957-1
- EN 957-5
- VDE 0750-238

### Specifications:

- Power range: 20–1000 Watts
- Drive: silent double belt
- Braking technology: eddy current
- Regulation: strain gauges, independent of the pedalling speed
- Weight carrying capacity: 150 kg
- Installed size: 97 x 54 x 125 (L/W/H in cm)
- Weight: approx. 45 kg without packaging
- Memory card: SD memory card
- Access: low
- Saddle adjustment: horizontal/vertical
- Saddle: Super-Gel
- Handlebars adjustment: 360°



ergo\_bike medical8  
Colour: silver-grey  
Order No.: 9195782

ergo\_bike medical8  
Colour: white  
Order No.: 9195788



ergo\_bike medical8i

ergo\_bike medical8i\_2

## ergo\_bike medical8i / 8i\_2

Stationary and mobile performance diagnostic on the leading edge

The appropriate measuring device for each discipline. You decide whether physiological basic values or training performance values are to be determined.

Medical product of class II a (CE 0297) according to the following standards

- IEC EN 60601-1
- IEC EN 60601-1-1
- IEC EN 60601-1-2
- IEC EN 60601-1-4
- EN 957-1
- EN 957-5
- VDE 0750-238

Specifications:

- Power range: 20 – 1000 Watts
- Drive: silent double belt
- Braking technology: eddy current
- Regulation: strain gauges, independent of the pedalling speed
- Weight carrying capacity: 150 kg
- Installed size: 125 x 54 x 125 (L/W/H in cm)
- Weight: approx. 45 kg without packaging
- Memory card: SD memory card
- Saddle adjustment: horizontal/vertical
- Saddle: Super-Gel or competition saddle
- Handlebars adjustment: 360°
- Handlebars: individually adjustable



ergo\_bike medical8i  
Colour: silver-grey  
Order No.: 9195282

ergo\_bike medical8i  
Colour: white  
Order No.: 9195288

ergo\_bike medical8i\_2  
Colour: silver-grey  
Order No.: 9195284

ergo\_bike medical8i\_2  
Colour: white  
Order No.: 9195388

Optional accessory:  
Triathlon handlebars  
Order No.: 9091060



Product design subject to change without notice.



## ergo\_bike medical8s

Comfortable rehabilitation in a sitting position

A sitting ergometer combines the ideal features of a bike ergometer with training positions that are safe for the joints of the user. Relieving the load on the spine makes it possible for persons with back problems to perform endurance training. The sitting position guarantees a purposeful and relaxed training with the ergometer.

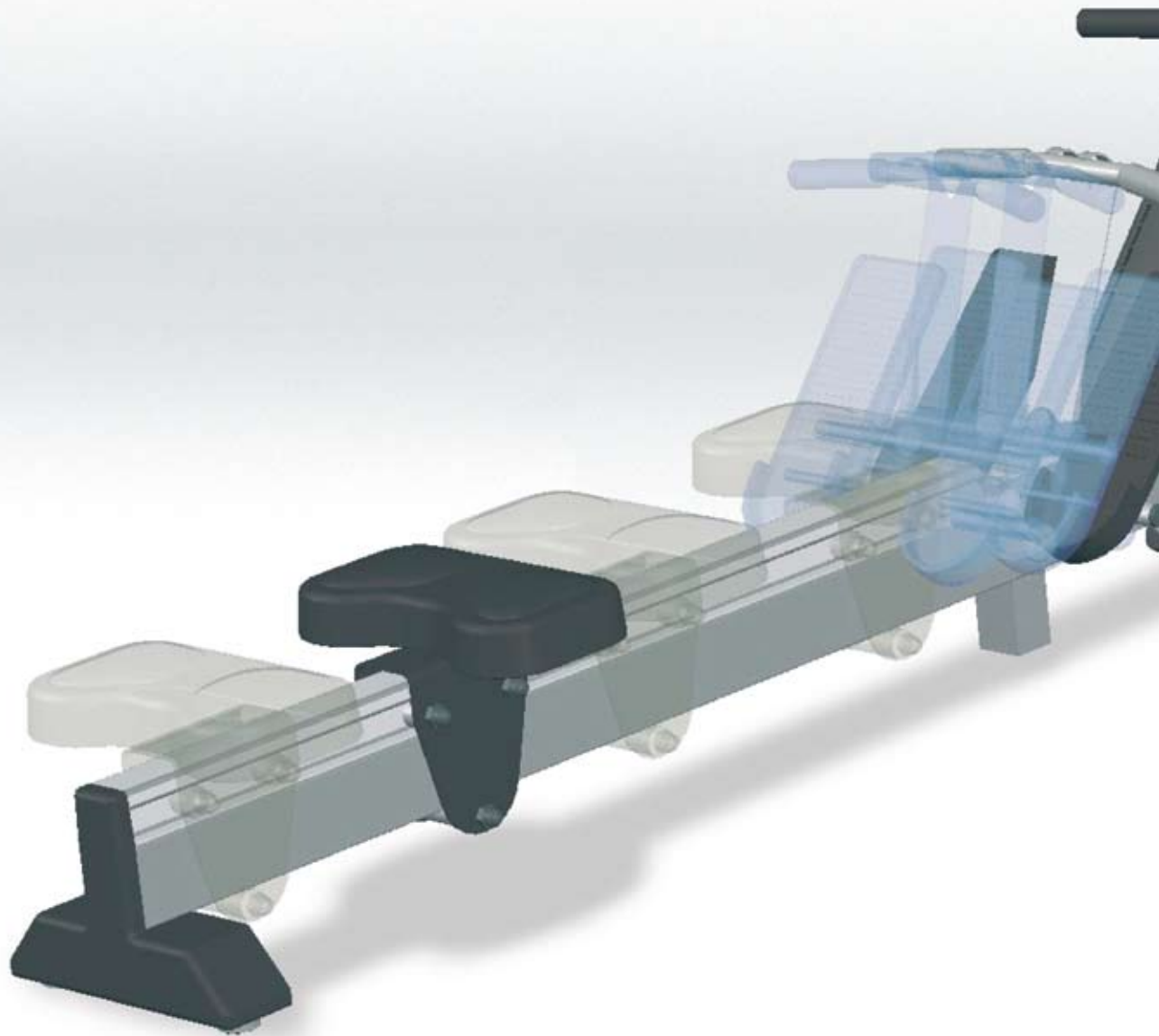
Medical product of class II a (CE 0297) according to the following standards

- IEC EN 60601-1
- IEC EN 60601-1-1
- IEC EN 60601-1-2
- IEC EN 60601-1-4
- EN 957-1
- EN 957-5

ergo\_bike medical8s  
Colour: silver-grey  
Order No.: 9395782

ergo\_bike medical8s  
Colour: white  
Order No.: 9395788

Availability: estimated 1st quarter of 2008



Product design subject to change without notice.



## ergo\_row medical8

Rowing for persistent and global therapy results

Rowing ergometers are first class devices for the development of arm, legs, shoulder and back muscles. These muscles can be trained purposefully and gently through the perceived motion sequences of the rowing movements. The traction forces transmitted by the rope help achieve a controlled muscular development and contribute to make the rowing ergometer an optimal part of a global therapy.

Medical product of class II a (CE 0297) according to the following standards

- IEC EN 60601-1
- IEC EN 60601-1-1
- IEC EN 60601-1-2
- IEC EN 60601-1-4
- EN 957-1
- EN 957-7

ergo\_row medical8  
Colour: silver-grey  
Order No.: 9495100

ergo\_row medical8  
Colour: white  
Order No.: 9495108

Availability: estimated 1st quarter of 2008



## ergo\_lyps medical88

Comfortably and precisely measure the performance capacities

A highly professional ellipse-training device for a precise performance diagnostic. The acquired measurement values define a full body rehabilitation individually adapted to the therapy.

Medical product of class II a (CE 0297) according to the following standards

- IEC EN 60601-1
- IEC EN 60601-1-1
- IEC EN 60601-1-2
- IEC EN 60601-1-4
- EN 957-1
- EN 957-9

Specifications:

- Power range: 25 – 600 Watt
- Drive: silent double belt
- Braking technology: eddy current
- Regulation: strain gauges, independent of the pedalling speed
- Weight carrying capacity: 150 kg
- Installed size: 227 x 65 x 180 (L/W/H in cm)
- Folded size: 130 x 65 x 180 (L/W/H in cm)
- Weight: approx. 100 kg without packaging
- Memory card: SD memory card



ergo\_lyps medical88  
Colour: silver-grey  
Order No.: 9150782

ergo\_lyps medical88  
Colour: white  
Order No.: 9150788





## ergo\_run medical8

Treadmill ergometry for a precise diagnostic and successful therapy

The ideal device for all medical application domains.

Medical product of class II b (CE 0297) according to the following standards

- IEC EN 60601-1
- IEC EN 60601-1-1
- IEC EN 60601-1-2
- IEC EN 60601-1-4
- EN 957-1
- EN 957-6
- VDE 0750-0751

Specifications:

- Speed: 0 – 24 km/h (minimum 0.2 km/h)
- Inclination: –2 to 15 %
- Motor: AC/2.2 kW
- Running surface: 1.50 x 0.5 m
- Step up height: 18cm
- Weight: 180 kg
- Memory card: SD memory card
- Installation surface: 2m x 1m
- Max. user weight: 150kg

## ergo\_run medical\_α24

The ideal inclination range of 0 to 24% allows precisely defined therapy plans according to the Bruce Protocol for medical therapeutic applications.

ergo\_run medical8  
Colour: silver-grey  
Order No.: 9075100

ergo\_run medical8  
Colour: white  
Order No.: 9075108

ergo\_run medical\_α24  
Colour: silver-grey  
Order No.: 9075200

ergo\_run medical\_α24  
Colour: white  
Order No.: 9075208