Performance Features:
- Full-featured exercise test including Flow-Volume Loop
- Breath-by-Breath measurement
- AT determination according to different methods (such as RER, Vsl, lactate, etc.)
- Light weight
- Automatic volume and gas calibration
- Ambient module for temperature and pressure
- Indirect calorimetry including for burning
- Intrabreath measurement for dynamic Flow-Volume Loop
- Heart rate monitoring with Polar Belt
- Calculated Cardiac Output
- Pulse oximeter with finger and ear clip
- External data entry of blood gases/lactate and AaDO₂ calculation
- Training and nutrition reports
- Interpretation program IntelliSupport
- Automatic ergometer control
- Powerful analysis software
- Report Generator for individual report designs
- Interfaces for practice administration systems
- Handy trolley for transportation

Options:
- Notebook Computer and printer
- Integrated 12-lead ECG
- Integrated 3-lead ECG
- Bicycle ergometer
- Treadmill ergometer
- Network

Training and competence
Exercise testing is a very complex issue; however, an internationally recognized team of trainers will be at your disposal to meet the great demand for training in this field. Not only do we offer theoretical and practical training courses but also courses in interpretation.

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PN 791988
Oxycon Mobile: small, lightweight and on the spot

Oxycon Mobile was developed in cooperation with top triathletes and sports researchers. The suitability for daily use has already been tested to the limit. Consequently, there are any other applications where the demands are so high?

Athletes place special emphasis on ease of handling and freedom of movement. That’s why our belt system slips over the shoulders and is attached to the chest or back for freedom of movement.

The comfortable belt system slips over the shoulders and is attached to the chest or back for freedom of movement.

Battery unit - including memory card and slot for 12-lead ECG

The comfortable belt system slips over the shoulders and is attached to the chest or back for freedom of movement.

Automatic volume and gas analyser calibration

The comfortable belt system slips over the shoulders and is attached to the chest or back for freedom of movement.

Test

Don’t have anything to chance. During the test, the program provides you with an excellent breath-by-breath overview. Just click to move between different displays.

Exercise testing and dynamic Flow-Volume Loop during exercise

The comfortable belt system slips over the shoulders and is attached to the chest or back for freedom of movement.

ECG and CPX

The comfortable belt system slips over the shoulders and is attached to the chest or back for freedom of movement.

Evaluation

Accurate evaluation is of utmost importance, since a large amount of data are gathered during cardiopulmonary exercise testing.

Anaerobic Threshold

The data can be evaluated immediately after they are collected. If desired, the test can also be reloaded after the test has been stored. The evaluation focuses on determining the Anaerobic Threshold (AT). Different methods such as Wilkman, Breathing Equivalence, RER=1 and Lactate are available. The measurements will be displayed at AT to perform a plasma lactate check.

Nutrition Assessment: for a perfect diet

The Indirect Calorimetry program determines the Basal Metabolic Rate and exercise-dependent Energy Expenditure (EE) including a differentiation between carbohydrate, fat and protein for perfect training control and effective weight reduction. Energy Expenditure is calculated on the basis of VCO2, VO2 and urine nitrogen. Special reports for training control and nutrition are included.

Cardiac Output

Cardiac output is based on the dynamically calculated Cardiac Output according to Wasserman. For assessment of cardiac insufficiency, special slopes such as VCO2/V02 are calculated.

Economic Solutions

Oxycon Mobile is a paradigm of cost-effectiveness. The system comprises of gas analyzers that have a long economic lifetime, with minimum gas consumption during calibration (50 mL).

For cardiologic approaches, a 3-lead or even 12-lead mobile (i.e. telemetric) ECG is an available option. Oxycon Mobile has thought for cardiologic approaches, a 3-lead or even 12-lead mobile (i.e. telemetric) ECG is an available option. Oxycon Mobile has thought