

Benefits of HYPOXcontrolS

- » Portable interval altitude training device for customised altitude training plans
- » Flexible use in any existing training facility
- » Altitude simulation capabilities of up to 6,000 metres at alternating intervals with concentrated oxygen
- » Real time monitoring of all relevant vital signs
- » Touch screen for intuitive and autonomous control of the training session
- » Authentication using a chip card
- » Biofeedback for determining the personal tolerance levels for changes in altitude
- » Intelligent analysis software for fully documenting training results
- » Database for saving profiles and training data
- » Optional network connection
- » Certified medical device

Benefits of altitude training: Train High – Sleep Low

- » Increases performance during competition training – not only for endurance sports
- » Improves endurance capacities
- » Increased muscle growth
- » Shortens the regeneration time while training
- » Optimises the rehabilitation time after sport injuries
- » Lowers athlete's susceptibility to injuries
- » Increases the body's physical and mental endurance levels
- » Prepares for altitude acclimatisation and optimises performance levels prior to spending time at high altitudes
- » Has a relaxing effect on the body and helps people cope with stress
- » Supportive effects for the body's immune system
- » Positive results for weight loss
- » Increases a person's ability to concentrate



Positive metabolic effects of hypO₂xia on the body



Improves the supply of oxygen to the body

HYPOXcontrolS

medicap
homecare

The efficient altitude training system
with concentrated oxygen



Increase your performance in a targeted way
by training at a simulated altitude of up to 6000 m

Optimise your body's energy supply
by increasing number of mitochondria and erythrocytes

Reduce your regeneration and rehabilitation times
with increased cellular metabolism and vascular growth



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The efficient altitude training system with concentrated oxygen

Innovative & Portable

HYPOXcontrolS is an efficient and versatile altitude training system. Training at simulated altitudes is recommended for any athlete who wants to optimise his or her **performance and endurance levels**. The HYPOXcontrolS **portable training system** gives patients air with reduced oxygen levels – hypO₂xic – to breathe during the first interval and provides them with oxygen-enriched air – hyperO₂xic – in the second interval. With this **interval altitude** training system, the body's own altitude acclimatisation effects can be utilised for increasing performance levels during competition phases in a targeted way. The regeneration and rehabilitation phases are also optimised.

Automatic & Simple

The unique HYPOXcontrolS **biofeedback** is the first step before creating a personal training plan. The vital signs are monitored during a step test and the current altitude training level is automatically determined. A personal and **safe altitude training level** is selected for the athlete based on this test.



Intuitive & Personalized

Any athlete can **independently** configure his or her own **personalised hypO₂xic and hyperO₂xic interval altitude training plan** on the touch screen display by using the intuitive software interface, and can save it on their own chip card.

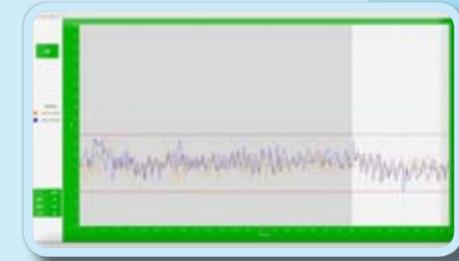


Safe & Reliable

All relevant vital signs are shown on a live graphical overview during the biofeedback phase and the entire altitude interval training session, and they are monitored using pre-set safety limits.

Compatible & Progressive

During the entire duration of the altitude interval training session, live streaming of up to four people can be shown simultaneously on a split screen. An **existing computer system** can be easily used to **analyse training results** as efficiently as possible.



Effective & Efficient

In addition to taking vital signs, such as the heart rate and oxygen saturation levels, the device also indicates, saves and evaluates **unique vital signs**, like the heart rate variability and the transcutaneous partial pressure of oxygen.



Well-designed & Clearly Organised

In the **analysis software interface**, all interval altitude training sessions can be documented in a **clearly organised training report**, which can be distributed as a PDF document. Moreover, up to five different training sessions can be shown on a tabular and graphical overview for comparison and analysis purposes.



HYPOXcontrolS can be used flexibly in any professional gym or institutional setting