

EUCAPSYS

Air mixture with adjustable CO2 levels

EucapSys, a resolutely innovative device for the custom production and delivery of hypercapnic air mixtures. Douglas bags and cylinders containing specific mixtures are no longer needed. EucapSys helps cut gas costs by 90%.

Operation:

Using a standard air cylinder and CO₂ cylinder, **EucapSys** produces the hypercapnic mixture you need. An innovative patented technology helps to produce a hypercapnic air mixture gradually and according to your needs, for up to 200 l/min.

CO₂ content:

Can vary from 0 to 6% depending on needs, and can be adjusted during use.

Economical:

The SMTEC **EucapSys** reduces gas-related costs by 90%. Gas supply is thus facilitated and guaranteed.

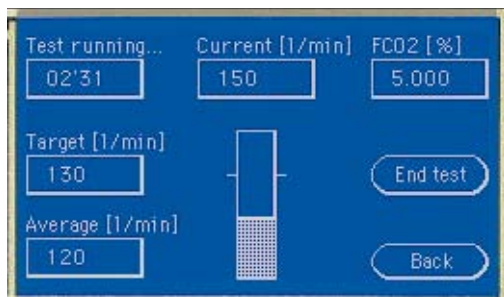
EucapSys is especially well-suited for eucapnic voluntary hyperventilation (EVH) testing. The device comes complete with everything you need: An integrated spirometer with recorder and counter ensures that tests run smoothly every time.

EucapSys makes eucapnic voluntary hyperventilation testing routine, easy to implement and inexpensive.



EUCAPSYS : Technical specifications.

Principle	in situ adjustable mixture of dry air and CO2
Display	- instant display of air flow rate in l/min - CO2 fraction in % - test time in min/sec
Regulation	electronic PID-type
CO2 fraction range	from 0% to 5.5%
Accuracy of CO2 fraction	+/- 0.1%
Production of mixture	as needed, in accordance with consumption
Air flow rate	up to 220 l/min
Air supply	via an air cylinder (22% O2; 78% N2)
CO2 supply	via a CO2 cylinder
Gas calibration	using a calibration gas
Air flow calibration	using a syringe
Electricity supply	220 Volts
Electricity consumption	15 W peak
PCO2 monitoring	Thermal conductivity gas sensor
PO2 monitoring	electro-chemical oxygen sensor
Control electronics	by microprocessor
Weight	10 kg
Dimensions	h: 55cm; l: 50 cm; w: 40 cm
Breathing tube	Ultra-flexible, 60 cm – 180 cm long
mouthpiece	With one-way valve



Touchscreen

EUCAPSYS

The basic model includes :

- 1 main unit
- 1 mouthpiece with valves
- 1 mixed air supply line
- 2 manually-operated regulators (air, CO2)
- 1 tightening wrench
- 1 pressurized air supply line
- 1 pressurized CO2 supply line
- 1 instruction manual

SMTEC

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