

The universal cardio pulmonary exercise testing system



Ergostik™

The Ergostik delivers reliable results for a wide range of performance

- › *Light-weight flow sensor*
- › *Flexible screen presentations*
- › *Intelligent determination of threshold*



Geratherm®
Respiratory

Spirometry

CPET

PFT

Ease of use with full flexibility – the cardio pulmonary exercise testing system for each application

Ergostik™

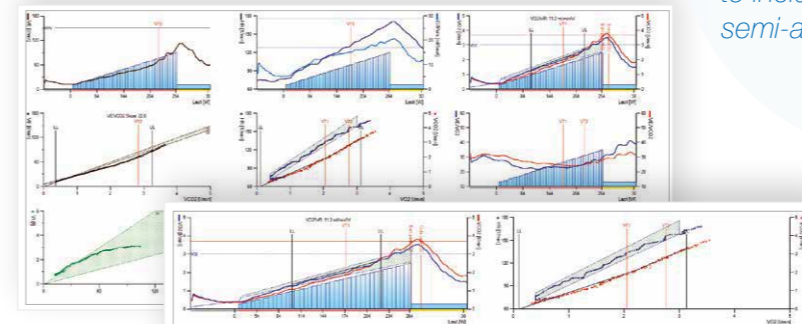


Light-weight flow sensor

The low weight and the low dead space of the flow sensor are particularly comfortable for the patient.

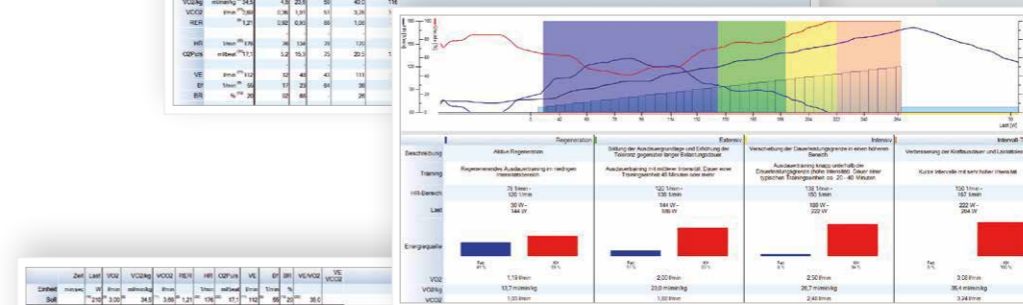
Flexible screen presentations

The screen display and the report can be configured individually to include graphs, tables and semi-automated diagnosis text.



Intelligent determination of threshold

By combining different models, the software reliably detects all thresholds.



State-of-the-art software for pulmonary function diagnostic

Blue Cherry™ uses a powerful SQL database to store data. This allows Ergostik™ to either be optimally integrated in a complex network environment or to be used as a single-user solution cardio pulmonary exercise testing system.

- Easy installation
- Clear and well layed out screen presentation
- Easy and flexibly upgradable
- GDT and HL7 interfaces
- Networkable
- Powerful SQL database for secure data management and statistical evaluations
- WYSIWYG report generator



Training planner

Using the optional training module, individual training plans can be generated for the patient.

Ambient conditions

All ambient influences can be compensated using the options Ambistik and CO2stik.



Geratherm®

Respiratory

Technical data

Tests	
Standard	CPET, Spirometry, Flow-volume, MVV
Optional	REE, breathing pattern analysis, N2 washout, broncho provocation
Test electronic	
Dimensions	210 mm x 175 mm x 75 mm (L x W x H)
PC interface	USB 2.0
Power supply	100 - 240 V / 50 - 60 Hz / 60 VA
Sampling rate	125 Hz
Software	Blue Cherry (requires Windows XP SP2 or newer version)
Flow sensor	
Principle	Differential pressure (Ergoflow)
Range	± 16 L/s
Accuracy	± 3 % or 50 mL/s, all ATS/ERS specifications
Dead space	< 32 mL
Resistance	< 0.12 kPa/(L/s) < 14 L/s
O2	
Principle	Electrochemical cell
Range	1 - 100 %
Accuracy	± 0.1 vol% (13 % - 21 %) / ± 1 % FS
t10-90	< 90 ms (after filtering)
CO2	
Principle	Infrared spectroscopy
Range	0 - 13 %
Accuracy	± 0.1 vol% (2.5 % - 7.5 %)
t10-90	< 90 ms (after filtering)

Geratherm Respiratory GmbH is a subsidiary of Geratherm Medical AG.
 All products of Geratherm Respiratory GmbH meet ATS/ERS criteria
 and other applicable international standards and guidelines.
 Geratherm Respiratory GmbH is certified according
 to DIN EN ISO 13485.

Accessories

Ergoflow

REF
139094



CO2stik

REF
197357



CE
0494

Your Geratherm Respiratory partner:

Further information:

