Blue Cherry™

Ergostik™

From Geratherm Respiratory



The Next Generation of CPET

✓ Accuracy as standard:

The Ergoflow flow sensor used with the Ergostik cardiopulmonary exercise system, draws on an incredible variable orifice design, which prevents the increase in flow resistance at increased flow rates, found with most flow sensors. It is designed and tested to meet all ATS ERS flow and volume waveforms and manufactured to ensure accuracy at ±3%.

✓ Configurable Hardware:

The Ergostik has been designed as a totally modular system allowing a relatively low cost entry level, for simple gas exchange measurements and can be expanded to include Oxygen saturation, NIBP, ergometer control and even 12 lead ECG with Arrhythmia analysis.

✓ Total Compatibility

The Ergostik comes as standard with full network compatibility allowing all data to be easily shared between multiple devices, or other Blue Cherry review stations and diagnostic systems. Furthermore with the new HL7 compatibility data can be sent directly to local hospital information systems.

✓ Accurate paediatric testing:

With the lowest ever effective dead space of less than 20ml and the ultra light weight design the new Ergoflow ensures that the Ergostik can be used to test children with low ventilation. Used in conjunction with a mask it forms one of the most comfortable testing devices available today,

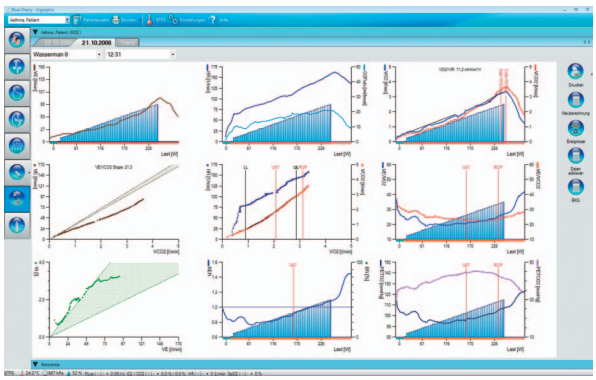
✓ Always up to date:

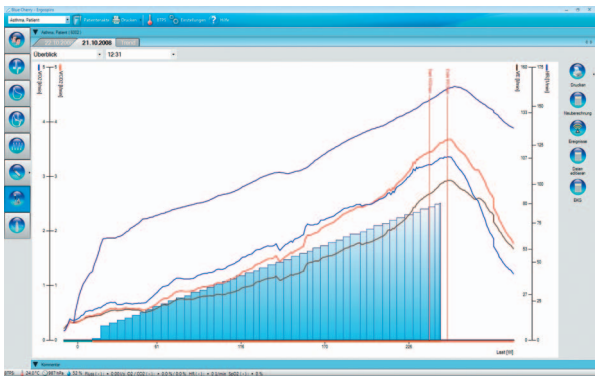
Using an internet connection Blue Cherry software can automatically download updates, ensuring the system is always up to date.

✓ Software flexibility:

The powerful Blue Cherry diagnostic software has been designed to offer true simplicity during testing while retaining the flexibility to allow configuration of most parameters to suit the user. Meaning that the same system can provide the solution for multiple applications.

The powerful Blue Cherry interface offers a clear graphical display with an intuitive software design.





Geratherm® Respiratory

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Technical Data:

Technical Data:	Dimensions: Weight:	210 mm x 175mm x 75mm (L x w x h) 1120 g
Electrical data:	IP protection type: Classification according to MDD: Application component type: PC interface: Power supply: Power consumption:	IPX0 IEC 529 IIa 93/42/EWG date June 14th 1993 14.06.93 Appendix IX BF according to VDE 0750 (DIN EN 60601-1) USB 2.0 12V max. 5A <3.2A
Flow:	Flow sensor: Measuring principle: Measuring range: Measuring range ventilation: Resistance: Effective dead space: Flow resolution: Sample rate: Accuracy:	Ergoflow Differential pressure ± 16l/s 0 – 300l/min <0.12kPa/(l/s) <15l/s <20ml < 1ml/s 125 Hz ±3% or 20ml/s
Volume:	Measuring range: Accuracy:	0 – 20L ± 3% or 50mL
O_2 Analyser:	Measuring principle: Measuring range: Accuracy: Resolution: T_{90}:	Electro Chemical cell 1 – 100% O2 0.1% 0.1% < 100 ms
CO_2 Analyser:	Measuring principle: Measuring range: Accuracy: Resolution: T_{90}:	Infrared absorption 0 – 13% CO2 0.1% 0.1% 28 ms
Operating conditions:	Temperature:	+15°C to +50°C
Storage and Transport conditions:	Temperature: Humidity: Explosive conditions:	-10°C to +60°C 0 to 95% (non condensating) Device should not be used in explosive or flammable atmospheres

All Geratherm Respiratory products are designed to meet the ATS and ERS criteria and other international standards and guideline's where required.
The Ergostik complies with DIN EN ISO 23747.
All Geratherm products are manufactured in accordance with DIN EN ISO 13485.

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