



The Ergoflow flow sensor used with the Bodystik full body plethysmography system, draws on an incredible variable orifice design, which prevents 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 better than $\pm 3\%$.

The Bodystik has been designed as a totally modular system allowing a relatively low cost entry level, for simple body plethysmography with the option to add options such as Bronchial Provocation, Nitrogen Washout and CQ Diffusion.

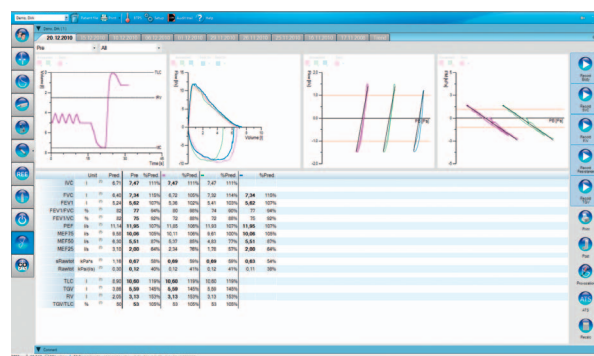
The Bodystik comes as standard with full network compatibility allowing all data to be easily shared between multiple devices, or other Blue Cherry review stations and diagnostic systems. Furthermore with the new HL7 compatibility data can be sent directly to local hospital information systems.

With the lowest ever effective dead space of less than 20ml in the flow sensor and the adjustable design of the new Electronic stand ensures that the Bodystik can be used to test children and adults alike. Together with the adjustable swinging seat the Bodystik is one of the most comfortable testing devices available today.

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

- Aluminium cabin for maximum temperature stability.
- 5 Glazed Sides for maximum light and patient comfort.
- Height adjustable stand for optimum patient comfort.
- Electromagnetic door locking for simplicity and safety.
- Revolutionary swing out seat for excellent patient access.
- Lowest possible footprint to fit any lab.

- Using the Powerful Blue Cherry diagnostic software.
- Software for full spirometry as standard.
- Includes Rocc and MIP/MEP measurement.
- Full ATS/ERS compliance for all measurements.
- Complete flexibility in screen layout and report design.
- Powerful statistics and trend of results.
- Integrated Network compatibility.
- Full HL7 integration options available.



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Technical Data:

Technical Data:	Dimensions: Weight:	750 mm x 850mm x 1700mm (L x W x H) 140 kg
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 14.06.93 Appendix IX BF according to VDE 0750 (DIN EN 60601-1) USB 2.0 24V max. 4.2A <3 A
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:	Measurement range: Accuracy:	0 – 20L ± 3% or 50mL
Cabin pressure:	Measurement principle: Measurement range: Accuracy: Resolution:	Semiconductor ± 0.25 kPa 1.5% FS 24 bit
Mouth pressure	Measurement principle: Measurement range: Accuracy: Resolution:	Semiconductor ± 25 kPa 1% FS 15 bit
Operating conditions:	Temperature: Humidity:	+15°C to +35°C 10 to 90% (non-condensing)
Storage and Transport conditions:	Temperature: Humidity: Explosive conditions:	-10°C to +60°C 0 to 95% (non- condensing) Device should not be used in explosive atmospheres
Minimal requirements PC system:	Norm: Processor: RAM Memory: Hard disk: Monitor: Interface: Operating system:	DIN EN 60950 Pentium III compatible or higher, 1Ghz or higher recommended 500 MHz minimum 512 MB RAM or higher, 192 MB RAM minimum 1.5 GB or greater recommended, 600 MB minimum free space required XGA (1024 x 768) or higher USB 2.0 recommended, USB 1.1 minimum Windows XP SP2 or higher

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

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