



# Spirostik<sup>TM</sup>

From Geratherm Respiratory *Complete*



All the power of the Spirostik in a *Complete* package.

Through the utilisation of computer and touch screen technology the Geratherm Respiratory Spirostik complete is one of the most powerful spirometry systems currently available.

Utilising the powerful Blue Cherry diagnostic platform the 'Complete' retains all the power, in the desktop format, as the original USB 2.0 device. Users can now enjoy the power of the Blue Cherry platform in even the most remote locations, without losing any of the sophistication or the simplicity. The new Spirostik Complete is available in the screen sizes 8 inch and 10.4 inch.



## Proven Technology

The Spirostik complete uses the incredible Spiraflo technology proven on the Spirostik USB, giving all the safety and convenience of the disposable flow sensor whilst retaining the accuracy of the device. Each Spiraflo flow sensor is pre-calibrated before leaving the Geratherm Respiratory factory.

## Complete Compatibility

The Spirostik Complete has a full network compatibility option allowing all data to be easily shared between multiple Spirostik devices, or other Blue Cherry diagnostic systems. Furthermore with this compatibility for the first time data can be sent directly to local information systems in the form of a PDF file directly from the desktop device without the need to be loaded into a second software package on the network.

## A Revolution in Desktop Spirometry

### ✓ Uses Blue Cherry Platform

Allows a combination of desktop devices and PC based devices to be used in a single facility with greater ease.

### ✓ Seamless data Sharing

Data can easily be shared between devices, either by exporting patient files or sharing a common database.

### ✓ Accuracy as standard

Spiraflo is designed and tested to meet all ATS ERS flow and volume waveforms.

### ✓ Lowest ever Dead Space

With an effective dead space of less than 20 ml the new GR Spiraflo ensures that the Spirostik Complete can be used to test even small children with extremely low ventilation.

### ✓ Snap Change flow sensor

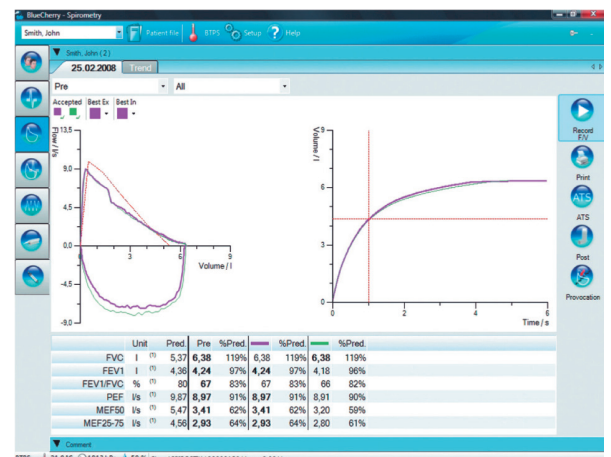
With the revolutionary new snap change system for the flow sensor, the operator need never touch a used flow sensor again. Simply ease open the snap clip to allow the used sensor to fall out.

### ✓ Integrated thermal printer

The fully integrated thermal printer in the Spirostik Complete means reports and results can be printed even when the system is away from the clinic.

### ✓ Ready to use

The Spirostik complete is completely pre-configured and ready to use straight out of the box, but as expected with the Blue Cherry diagnostic platform it is simple for the user to configure many sections of the system to meet their more specific requirements.



## Technical Data:

		8 inch Touch Version	10.4 inch Touch Version
Technical Data:	Dimensions: Weight:	350mm x 330mm x 70mm (L x W x H) 2100g	350mm x 330mm x 70mm (L x W x H) 2250g
Electrical Data:	IP protection type: Classification according to MDD:  Application component type:  PC interface: Power supply: Power consumption:	IPX0 IEC 529  Ila 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 <2,2A	IPX0 IEC 529  Ila 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 <2,7A
Flow:	Flow sensor: Measuring principle: Measuring range: Resistance: Effective dead space: Flow resolution: Sample rate: Accuracy:	Spiraflo Differential pressure ± 16l/s <0.09kPa/(l/s) <15l/s < 24 ml < 1ml/s 125 Hz ±3% or 20ml/s	Spiraflo Differential pressure ± 16l/s <0.09kPa/(l/s) <15l/s < 24 ml < 1ml/s 125 Hz ±3% or 20ml/s
Volume:	Volume: Accuracy:	0 – 20L ± 3% or 50mL	0 – 20L ± 3% or 50mL
Operating conditions:	Temperature:	+0°C to +40°C	+0°C to +40°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	-10°C to +60°C 0 to 95% (non condensating) Device should not be used in explosive or flammable atmospheres
Integrated PC System:	Monitor:  Processor: Storage: RAM : Interfaces:  Operating System:	8" Touch Display (resolution: 800x600)  Intel Atom 40 GB Harddisk 1 GB 5 x USB 2.0, optional: Network RJ 45, WLAN, Bluetooth and external monitor connector Windows XP Professional	10,4" Touch Display (resolution: 1024x768) Intel Atom 40 GB Harddisk 2 GB 5 x USB 2.0 optional: Network RJ 45, WLAN, Bluetooth and external monitor connector Windows 7 Professional
Integrated Printer:	Printer type: Resolution: Paper size: Paper:	Thermal printer 8 dots/mm 104 mm Thermal paper Roll 112mm, maximum Diameter 45mm	Thermal printer 8 dots/mm 104 mm Thermal paper Roll 112mm, maximum Diameter 45mm

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

**For further information please contact us:**

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