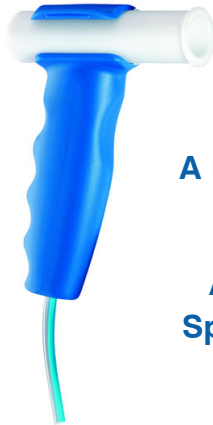




# Spirostik<sup>TM</sup>

*Complete*

From Geratherm Respiratory



**The New Spirostik Complete, offers A revolution in Desktop Spirometry.**

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

#### Utilisation of technology

Through the utilisation of computer technology the Geratherm Respiratory Spirostik complete is one of the most powerful spirometry systems currently available. Relying on 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.

#### Common components

The Spirostik complete uses the incredible GR Spiraflow technology proven on the standard Spirostik, giving all the safety and convenience of the disposable flow sensor whilst retaining the accuracy of the device, with each spiraflow being pre-calibrated before leaving the Geratherm Respiratory factory.

#### Complete compatibility

The Spirostik complete also comes as standard with full network compatibility allowing all data to easily be downloaded into a common, shared database from multiple machines and also integrated with other Blue Cherry testing devices. 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 application.

#### The Simple screening Tool comes of Age

As changes occur in the requirements of the spirometry system Geratherm Respiratory are staying ahead, the Spirostik complete is capable of providing the quick first line check required in many small clinics, but remains powerful enough to fulfil all the requirements of today's large hospitals or scientific trials.

#### 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.



### The Revolutionary Spirostik<sup>TM</sup>

*Complete*

#### Runs under Blue Cherry Diagnostic platform -

Allowing a combination of portable/desktop devices together with PC based systems to be used in a single facility without the requirement to learn different operation methods.

**Seamless data sharing with other units** - Data can be shared between any Blue Cherry device either with the import and export of data files or simple Network connection and sharing of common database.

**Compact and portable design** - Allows the system to be utilised in domiciliary applications.

**Single Use Pre-calibrated Flow Sensor** - No requirement for complicated infection control procedures. No Syringe requirement. No messy changeover post patient.

**Smart Report technology** - Configurable report templates for different users. Allowing the use of both the built in thermal printer or any other windows compatible printer.

**Full USB connectivity** - Complete plug and play configuration within Blue Cherry. Add a new Blue Cherry compatible device and it will be instantly recognised and ready to test. No more lengthy configuration procedures.

**Fully Automatic Updates** - Utilising an Internet connection the Blue Cherry software is always kept up to date, thus eliminating the need for costly engineer visits to install software.

**Pulse Oximetry option** - Utilising the Oxystik, Heart Rate and Oximetry values can also be measured.

**Compatible with Ambistik** - With the addition of the Ambistik, ambient conditions module, temperature pressure and humidity measurements are performed automatically.

## Technical Specifications

Mechanical Data	Dimensions Weight	347mm x 320mm x 71mm (LxWxH) 1850g
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 appendix IX BF according to VDE 0750 (DIN EN 60601-1) USB 2.0 12v max. 5A <1.5A
Flow	Flow Transducer Measuring principle Measuring range Resistance Effective dead space Flow resolution Sample Rate Accuracy	GR spiraflo Differential pressure $\pm 16$ L/s 0.09kPa/(l/s) <15L/s 20ml <1mL/s 125Hz $\pm 2\%$ or 20 ml/s
Storage & Transport Conditions	Temperature Humidity Explosive environment	-10°C to +60°C 0 to 95% non condensating The equipment should not be used in an explosive environment.
Integrated PC System	Display Processor RAM memory Storage Interface Operating system	8.9" TFT LCD 900 Mhz Intel Celeron m 1 Gb 4 Gb SSD built in + 8 Gb removable SSD (option) 1 x USB 2.0, 1 x Network RJ45, 1 x External Monitor Windows XP SP2
Integrated Printer	Principle Resolution Print width Paper	Thermal dot line printing 8 dots / mm 104 mm (4 inch) Thermal paper 112 mm width maximum spool diameter 45 mm

All of the products manufactured by Geratherm Respiratory are designed to meet the ATS and ERS criteria where required and other international standards and guidelines.

All Geratherm products are manufactured in accordance with DIN EN ISO 9001 and DIN EN ISO 13485.

**For further information please contact us:**

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