

SpirostikTM Desktop Spirometry System *Complete*



A Revolution in Desktop Spirometry

✓ Accuracy as Standard

Spiraflo is designed and tested to meet all ATS ERS flow and volume waveforms and pre-calibrated to ensure accuracy at $\pm 3\%$

✓ User Friendly Sensor Change

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.

✓ Complete Infection Control

The disposable Spiraflo flow sensor means that no sterilisation is required and no filters that add to the resistance of the system.

✓ Accurate Paediatric Testing

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

✓ Always Up to Date

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

✓ Improved Patient Comfort

The oval design of the Spiraflo sensor improves patient comfort and helps to reduce leaks during the Spirometry testing.

✓ Total 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.

Powerful Spirometry in a Complete package

Using modern technology the Spirostik Complete is one of the most powerful Spirometry systems currently available. Incorporating a powerful Windows® based computer system with full wireless network communication and integrated thermal printer. The desktop device now easily fits into any environment.

Calibration Free

The Spirostik complete uses the single use Spiraflo flow sensor giving all the safety and convenience of the a disposable whilst retaining the accuracy of the device. Each Spiraflo flow sensor is pre-calibrated meaning that user calibration is performed by entering a simple two character code. Giving accuracy and peace of mind for every test.



Complete Compatibility

The Spirostik Complete comes as standard with full network compatibility allowing all data to be easily shared between multiple Spirostik devices, or other Blue Cherry diagnostic systems. Furthermore with the new HL7* compatibility for the first time data can be sent directly to local information systems directly from the desktop device without the need to be loaded into a second software package on the network.

Technical Specifications

8 Inch Touch

10.4 Inch Touch

Technical Data	Dimensions	350 x 330 x 70 mm (L x W x H)	350 x 330 x 70 mm (L x W x H)
	Weight	2100 g	2250 g
Electrical Data	IP Protection Type	IPX0 IEC 529	IPX0 IEC 529
	Classification according to MDD	Ila 93/42/EWG date 14/06/1993 14.06.1993 Appendix IX	Ila 93/42/EWG date 14/06/1993 14.06.1993 Appendix IX
	Application Component Type	BF according to VDE 0705 (DIN EN 60601-1)	BF according to VDE 0705 (DIN EN 60601-1)
	PC Interface	USB 2.0	USB 2.0
	Power Supply	12V max. 5A	12V max. 5A
	Power Consumption	<2,2A	<2,7A
Flow	Flow Sensor	Spiraflow	Spiraflow
	Measuring Principle	Differential pressure	Differential pressure
	Measuring Range	± 16l/s	± 16l/s
	Resistance	<0.09kPa/(l/s) <15l/s	<0.09kPa/(l/s) <15l/s
	Effective Dead Space	< 24 ml	< 24 ml
	Flow Resolution	< 1ml/s	< 1ml/s
	Sample Rate	125 Hz	125 Hz
Volume	Accuracy	±3% or 20ml/s	±3% or 20ml/s
	Volume	0 - 20L	0 - 20L
	Accuracy	±3% or 50ml	±3% or 50ml
Operating Conditions	Temperature	+0°C to +40°C	+0°C to +40°C
	Temperature	-10°C to +60°C	-10°C to +60°C
	Humidity	0 to 95% (non condensating)	0 to 95% (non condensating)
Storage & Transport Conditions	Explosive Conditions	Device should not be used in explosive or flammable atmospheres	Device should not be used in explosive or flammable atmospheres
	Monitor (resolution 800x600)	8" Touch Display	10.4" Touch Display
	Processor	Intel Atom	Intel Atom
Integrated PC System	Storage	40 GB harddisk	40 GB harddisk
	RAM	1 GB	2 GB
	Interface	5 x USB 2.0, optional: Network RJ45, WLAN, Bluetooth and external monitor connector	5 x USB 2.0, optional: Network RJ45, WLAN, Bluetooth and external monitor connector
Integrated Printer	Operating Systems	Windows 10 Professional	Windows 10 Professional
	Printer Type	Thermal printer	Thermal printer
	Resolution	8 dots/mm	8 dots/mm
	Paper Size	104 mm	104 mm
	Paper Thermal paper Roll 112 mm	Max diameter 45 mm	Max diameter 45 mm

This product are designed to meet the ATS & ERS criteria and other international standards and guideline's where required.
The Spirostik Complete complies w. DIN EN ISO 23747. This product is manufactured in accordance w. DIN EN ISO 9001 & DIN EN 13485.

Love Medical Ltd

Unit 1, Willan Enterprise Centre,
Fourth Avenue, Village, Trafford Park,
Manchester, M17 1DB, United Kingdom

www.lovemedical.com
info@lovemedical.com
sales@lovemedical.com

Tel: 0161 976 2744
Fax: 0161 976 2764