

Web and network solutions

LFX is network compatible and is able to connect to a hospital information system (HIS) via GDT or HL7. We also offer a comprehensive package of data exchange solutions.

- G-NET Web Interface
- HL7
- GDT
- DICOM
- XML
- HTML
- PDF Export



Technical Specifications

SpiroScout®

PC-based pulmonary function system (Ref. No. 044270040) for the determination of slow and forced Spirometry, Flow-Volume curve, MVV

Options:

- 013400201 Capnometry / Emphysema diagnostic / Anatomical dead space
- 013400202 Rhinomanometry

Technical data SpiroScout®

Active medical system of Class IIa
Flow Sensor: Ultrasound FlowSensor

Flow	Range	Accuracy	Resolution
	0 - 20 L/s	<+/- 1%	1 ml/s
Volume	Range	Accuracy	Resolution
	0 - 20 L	+/- 5 ml	1 ml

Measurement principle flow and density: ultrasound transit time measurement

Sampling rate: 2.000 Hz (1.000 measurement point)

Flow resistance at 1 l/s: practically negligible

Technical specification meets or exceeds ATS/ERS clinical performance standard

The SpiroScout® measures with a built-in ambient module automatically temperature, ambient pressure and relative humidity

Power consumption: 2,5 Watt max

Dimensions complete: (T x B x H): 9 x 17,5 x 9 cm

Total weight: ca. 960 g

Material housing: ABS

Material disposable breathing tube: Polyethylene PE

Software: The SpiroScout® uses the well proven Ganshorn PFT Software LFX.

Minimum requirements for LFX:

Operating system Windows® 7,

CPU minimum Intel® Core 2 Duo, 2 GB RAM, 40 GB HDD

Alternative to LFX

Minimum requirements for LF8:

Operating system Windows® 7,

CPU minimum 700 MHz, 256 MB RAM, 20 GB HDD

(for Windows® Vista Ultimate on request)

Data transfer: USB 2.0 (optional RS232)



SpiroScout

Desktop Spirometry

High precision pulmonary function testing

The SpiroScout is a complete lung function laboratory based on the Ganshorn ultrasonic measurement. It enables the exact determination of all Spirometric parameters.

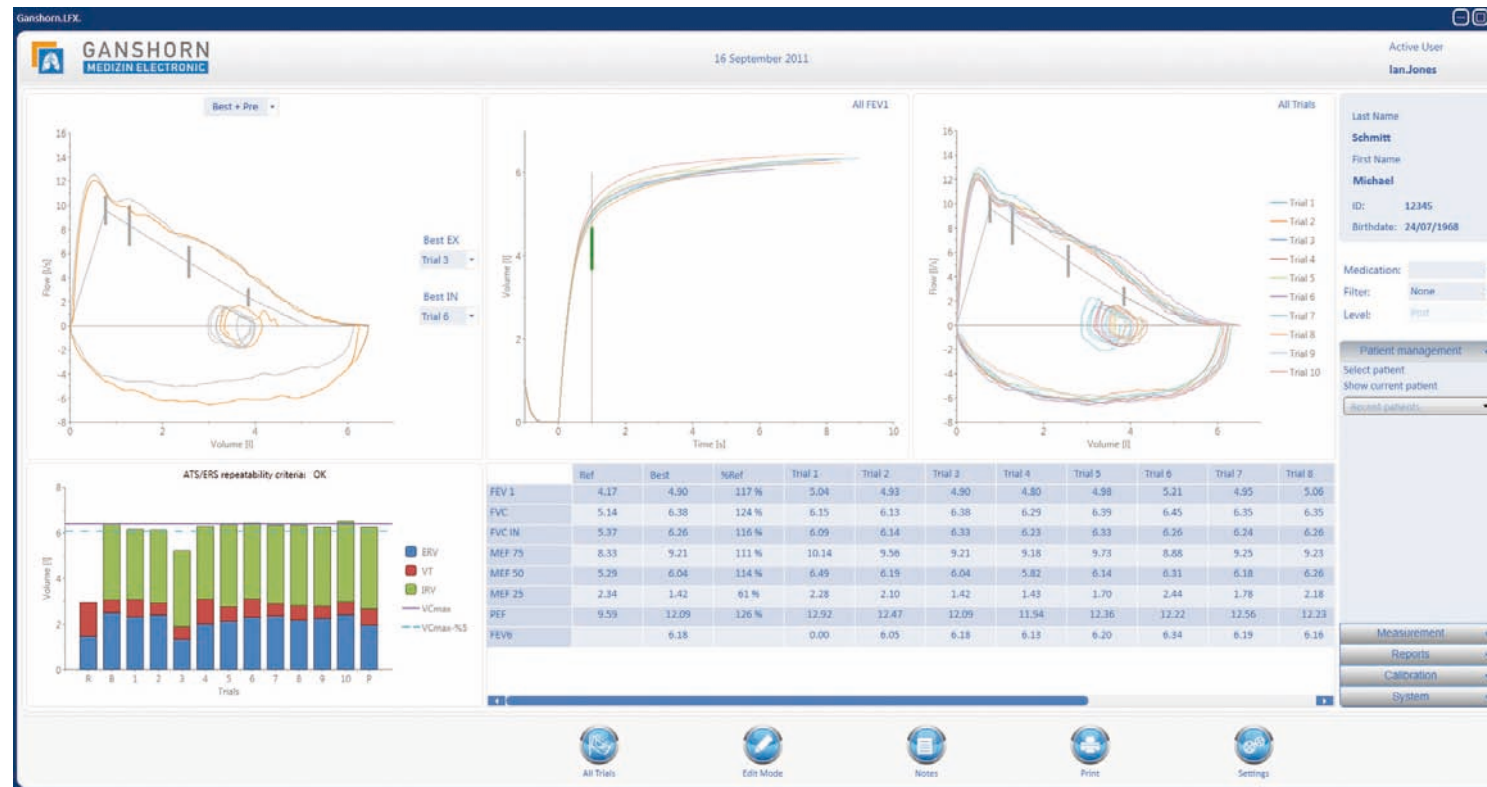
The SpiroScout is much more than just a spirometer

As the first of its kind the SpiroScout measures flow and gas density simultaneously providing information about volume and gas exchange with one single measurement.



Capnometry, Emphysema diagnostics and determination of anatomical and functional dead spaces, provide important information for a scout diagnosis of lung disorders within a few seconds. The clear statement of these parameters does not depend on the cooperation of the patients. Even small children can be tested quickly and easily.

- Strong performance
- Low energy consumption
- Easy handling



Ganshorn LFX software, Forced Spirometry screenshot

You save time - Always prepared

The SpiroScout requires neither a warm-up period nor calibration. You save a working step, that other systems require. The SpiroScout is calibration free during day-to-day operation – a benefit bringing daily gains.

You save energy. The ScoutSensor switches itself off automatically after the measurement even if the base station is left on.



The ultrasonic measuring principle

Using direct flow measurements based on digital measure techniques, substitute parameters for flow (e.g. differential pressure) are no longer necessary. Flow and gas density are calculated from the ultrasound transit-times. This allows the direct measurement of concentration changes in breathing gas (e.g. CO₂) simultaneously to the breathing volume – without the necessity of any additional gas analyser.

Measurements with ultrasound are a safe and stable basis for your diagnostics and more comfort for your patients. In comparison to other equipment there is no perceptible resistance, which can obstruct breathing which is very important for patients with pulmonary limitations.

The direct measurement method and the high resolution of 1,000 measurements per second are the precondition for a reliable determination of all testing parameters with highest precision.

Various options available for your SpiroScout:



SpiroScout with rhinomanometry

- Rhinomanometry
- Spirometry
- Rocc/P100/Pmax
- Capnometry
- Provocation
- Flow-Volume

