

A VERSATILE MULTIFUNCTIONAL SPIROMETER

Your ultrasound based solution for the diagnosis of obstructive and restrictive pulmonary diseases

YOUR ADVANTAGES

- ✓ **NO CALIBRATION NEEDED** - Save time and conduct more measurements.
- ✓ **MAINTENANCE FREE** - Clean and high-precision via ULTRASOUND Technology.
- ✓ **ATS/ERS GUIDELINES** - Fully conforms to Gold Standards.
- ✓ **EASY USE** - Change mouthpiece and get started.
- ✓ **PORTABLE** - Perform measurements in your praxis or on the field.
- ✓ **ONLINE TEMPERATURE & MAXIMUM PRECISION** - The BTPS correction factor is calculated during the measurement.

TECHNICAL DATA

Flow-Measurement

Principle	Ultrasound transit time
Range	0 to ± 20 l/s
Accuracy	$\pm 2\%$
Resolution	0.001 l/s

Volume-Measurement

Measurement Principle	Digital Integration
Range	Not limited
Accuracy	$\pm 2\%$
Resolution	1 mL

Dimensions

Device	18 cm x 9 cm x 9 cm (W x H x D)
Weight	1000 g (ScoutSensor 185 g, base station 730 g, cable 85 g)

Breathing Insert Spiroscout

Breathing resistance	0.002 kPa/l/s
Dead space, complete	18 cm ³ (pediatric inlet available)
Material	Polyethylene

Computer Interface

Data transfer to PC	USB 2.0
USB connection	Connector A - connector B, double shielded, 2x AWG24

Power Supply

Standard	Powered via USB 2.0 Voltage 4.5 to 5.25 V DC Power Supply: 500 mA
Option	External AC Adapter

Standards

Quality Management	ISO 13485
FDA	510(k) market clearance
MDD 93/42/ECC	CE Marked
Electrical safety	EN 60601-1 (Third Edition)



SPIRO SCOUT

technical specifications



Option:
Shutter SSC for ROCC

ADMINISTRATIVE PROGRAMS

- SQL Database
- Report Generator
- Multiuser license
- User Predicted Values
- GDT data transfer
- HL7 Interface
- Worklist
- DICOM

STANDARD	OPTION
✓	
✓	
	✓
✓	
	✓
	✓
	✓
	✓

MEASUREMENT PROGRAMS & FEATURES

- Slow Spirometry
- Forced Spirometry/Flow-Volume
- Provocation
- Rhinomanometry
- ROCC
- MIP/MEP (Muscle Strength)
- MVV
- ROS/FOT
- Capnovolumetry
- Measurement with Filter

STANDARD	OPTION
✓	
✓	
	✓
	✓
	✓
	✓
	✓
	✓
	✓



FEATURES

- ✓ **SAVE ENERGY**
Ultrasound sensor switches off when no measurement is carried on.
- ✓ **CAPNOVOLUMETRY AVAILABLE**
CO2 Analysis of the exhaled air (Option).
- ✓ **DISPOSABLE MOUTHPIECES**
Use your SpiroScout with disposable mouthpieces or filters at will.



GANSHORN
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You need more information? www.ganshorn.de 0123