GANSHORN
SCHILLER GROUP

PowerCube Spiro+

Versatile PFT test station

State-of-the-art ultrasound-based spirometry system with airway resistance, respiratory muscle strength and modular extensions

MADE IN GERMANY · MADE IN GERMANY ·

OVERVIEW

The GANSHORN PowerCube Spiro+ is a versatile and modular PFT test station that covers many features for the everyday work of pulmonologists. The state-of-the-art GANSHORN ultrasound flowsensor is upgraded with pressure measurement, which allows additional measurements like ROCC and MIP/MEP in a single and compact working station. It can be further extended with options like Provocation, oscillometry, rhinomanometry or SNIP, making it a powerful PFT lab.

Compact and dynamic working station

Powerful, intuitive LFX software

Calibration free

Highly accurate and precise sensor

Flexible set ups, comprehensive diagnostics,

Sustainable consumable concept

MANY MEASUREMENTS AT ONE WORKSTATION

The GANSHORN PowerCube Spiro+ not only enables the precise determination of spirometric parameters such as flow/volume, spirometry, lung volume, one-second capacity FEV1 as well as static and dynamic lung function measurements including peak flow measurement. It can also be used to directly measure MIP/MEP, ROCC, rhinomanometry*, and P01. Even provocation*, Oscillometry* and SNIP* are possible.Together with the LFX software, the SpiroScout complies with the current medical and technical standards.

➕ MIP/MEP

MIP and MEP are measurements used to assess the strength of respiratory muscles.The method reflects the ability of the diaphragm and other muscles to pull air into the lungs (MIP) and of the abdominal and chest muscles to expel air from the lungs (MEP). Low MIP values may indicate respiratory muscle weakness or diseases like neuromuscular disorders. Low MEP values can indicate issues with respiratory muscle strength, seen in conditions like COPD.

➕ ROCC

ROCC stands for Rapid Onset of Closure of the Airways. It refers to a phenomenon where the small airways close prematurely during exhalation. This can occur due to conditions that affect the elasticity or strength of the airways, such as COPD or asthma. ROCC is particularly visible in a decreased FEV1 and a lower FEV1/FVC ratio.

➕ Oscillometry

The device produces measurements of airway resistance, reactance and other lung function parameters to assist physicians in diagnosis, treatment selection and evaluation of treatment efficiency. The principle technology of the AOS is based on a compact implementation of the Forced Oscillation Technique (FOT).

➕ Rhinomanometry

Rhinomanometry is a form of manometry used to help evaluate the nasal cavity and the respiratory function of the nose. It measures pressure and flow during normal inspiration and expiration through the nose.

CONTROLS AND SET UPS

3D swivel arm

Flexible, height-adjustable interface that allows tests to be performed comfortable for everyone

Optional accessories
laser printer, connection cards or isolation transformer available

Height-adjustable standing
workstation

Powerful software
User-friendly and intuitive LFX software

Touch screen
Optimized GANSHORN Touch-Screen Windows-PC station with LFX software

Also available as workstation **to sit at**

*optional

WHY GANSHORN?

For 40 years GANSHORN has been manufacturing a complete state-of-the-art portfolio of pulmonary function testing systems for spirometry, bodyplethysmography, diff usion, bronchial provocation and cardiopulmonary stress testing. With its technological innovations, the company has been a leader in the diagnostics market since 1982. Many of these are now perceived as gold standards. In order to meet our high quality standards, it is important to us that all key components are made in Germany. Our devices are created in modern processes in Bavaria, from the initial idea to distribution. In the meantime GANSHORN is represented worldwide, with strong markets in Europe, Asia, North and South America.

PowerCube Body+
Body Plethysmography

Vivatmo pro
FeNO monitoring

SpiroScout
Spirometry

tremoflo®
Airwave oscillometry

PowerCube Diffusion+
Diffusion measurement

EucapSys
EVH provocation

Provo.X
Provocation testing

AltiTrainer
Hypoxic challenge testing, hypoxia training

PowerCube Ergo
Cardiopulmonary exercise testing (CPET)

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