GANSHØRN PowerCube Ergo

ESSENTIAL TOOL FOR CARDIOPULMONARY DIAGNOSTICS

Complete assessment for the differential diagnosis and sportsmen condition evaluation

YOUR ADVANTAGES

- MAINTENANCE FREE ultrafast and long-life CO2 sensor.
- DO IT YOURSELF O2 sensor can be changed within a minute and without a technician.
- GOLD STANDARD In full compliance with the ATS recommendations.
- In FLEXIBILITY Analysis of the results in a preferred way 9 panel Wassermann diagram or individual setup of graphs.
- USER-FRIENDLY Automatic determination of anaerobic threshold by set method or manually.

TECHNICAL DATA

Flow-Measurement

Principle Range Accuracy

Pneumotach (variable orifice) 0 to ± 18 l/s < ± 3% or 50 ml/s (the larger value applies) PEF: ± 5% or 150 ml (the larger value applies). Meets ERS/ATS standards +10 ml/s

Resolution

Volume-Measurement

Principle Ventilation Accuracy

Digital Integration 300 l/min ± 2%

O2 Measurement

Principle Range Resolution Rise time Accuracy

CO2 Measurement

Principle

Chemical Cell 10 to 35% 02 0.01% 02 80 ms $\pm 0.1\% 02$

Range Resolution Rise Time Accuracy

Ultrasound 0 - 15% CO2 < 0.01% CO2 < 100 ms ± 0.1% CO2

Max. 30 VA

50 to 60 Hz

24V

Electrical Requirements

Power Consumption Voltage Frequency

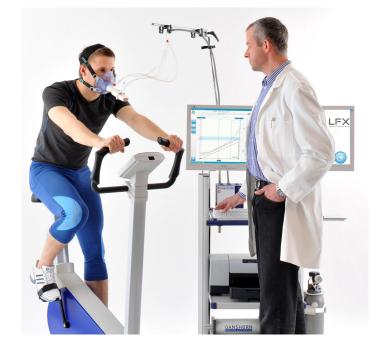
Standards

Quality Management FDA MDD 93/42/ECC Electrical safety

ISO 13485 510(k) market clearance CE Marked EN 60601-1 (Third Edition)

GANSHORN Medizin Electronic GmbH

Industriestraße 6 - 8 · 97618 Niederlauer · Germany +49 (0) 9771 6222 0 · sales@ganshorn.de





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Technical Specifications

FEATURES

12 chanel ECG

Use a full 12 chanel stress ECG or a pulse belt for sports application

O Non-invasive measuring

The only non-invasive method of measuring cardiac output

Patient Management

Easy patient management handling due to a shared database with other GANSHORN products or due to a full integration into SCHILLER SEMA

ADMINISTRATIVE PROGRAMS

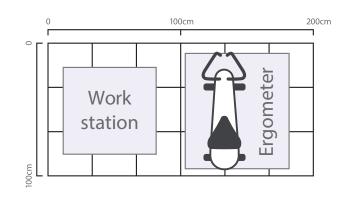
- SQL DatabaseReport GeneratorMultiuser license
- User Predicted Values
- GDT data transfer
- HL7 Interface
- DICOM
- Worklist





PROGRAMS & FEATURES

Ergospirometry	\	
Forced Spirometry/Flow-Volume		
Slow Spirometry		
Offline Input of bloodgases (e.g. lacta	te) 🗸	
MVV (Maximal Voluntary Ventilatio	n) 🗸	
Cardiac Output		\checkmark
Calorimetry		\checkmark
SpO2		\checkmark
12-channel stress ECG		\checkmark
Polar pulse belt		\checkmark
Blood pressure measurement		\checkmark
Ergometer		\checkmark
Treadmil		\checkmark
Evaluation Software LFSport		\checkmark



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You need more information? www.ganshorn.de