

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.
- ✓ **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	Pneumotach (variable orifice)
Range	0 - 20 l/s
Accuracy	± 2%
Resolution	0,01 l/s

VOLUME-MEASUREMENT

Principle	Digital Integration
Ventilation	300 l/min
Accuracy	± 2%

O₂ MEASUREMENT

Principle	Chemical Cell
Range	10 to 45% O ₂
Resolution	0.01% O ₂
Rise time	80 ms
Accuracy	± 0.1% O ₂

CO₂ MEASUREMENT

Principle	Ultrasound
Range	0 - 15% CO ₂
Resolution	0.01% CO ₂
Rise Time	< 80 ms
Accuracy	± 0.1% CO ₂

ELECTRICAL REQUIREMENTS

Power Consumption	Max. 30 VA
Voltage	24V
Frequency	50 to 60 Hz

STANDARDS

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



POWERCUBE ERGO

technical specifications

FEATURES

- ✔ **12 CHANNEL ECG**
 Use a full 12 channel stress ECG or a pulse belt for sports application.
- ✔ **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

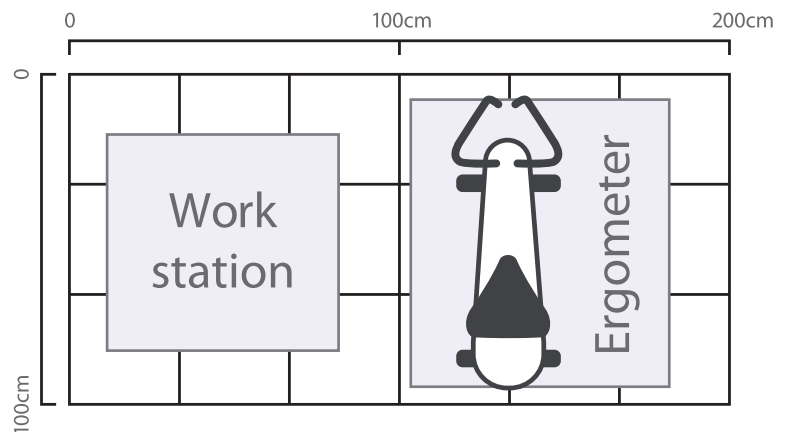
- SQL Database
- Report Generator
- Multiuser license
- User Predicted Values
- GDT data transfer
- HL7 Interface
- DICOM
- Worklist

STANDARD	OPTION
✔	
✔	
	✔
✔	
	✔
	✔
	✔
	✔

MEASUREMENT PROGRAMS & FEATURES

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

STANDARD	OPTION
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GANSHORN

SCHILLER GROUP

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