

COMPLETE RESPIRATORY DIAGNOSTICS SYSTEM

Full pulmonary function testing lab including recording of all pulmonary volumes and diffusing capacity

YOUR ADVANTAGES

- ✓ **DIAGNOSE FASTER** - Within a minute obtain results for airway resistance, dynamic/static lung volumes and flow/volume curve.
- ✓ **MAINTENANCE FREE** - Clean and high-precision via ULTRASOUND Technology.
- ✓ **LOGLIFE GAS ANALYZERS** - No replacements or periodic changes needed.
- ✓ **BROAD SPECTRUM OF OPTION** - Multiple programs available, making the PowerCube Body your comprehensive analysis device.
- ✓ **COST & SPACE** - optimized.
- ✓ **ATS/ERS GUIDELINES** - Fully conforms to Gold Standards.
- ✓ **LFX: OUR USER-FRIENDLY INTUITIVE SOFTWARE** - Latest programming technologies safeguard natural day to day workflow.

TECHNICAL DATA

Flow-Measurement

Principle	Time
Range	0 to ± 20 L/s
Accuracy	$\pm 2\%$, 50 ml/s (whichever is greater)
Resistance	<0.05 kPa/(l/s) at 14 l/s

Volume-Measurement

Principle	Digital Integration
Range	Not limited
Accuracy	$\pm 2\%$ or 0.05 L

Mouth Pressure

Principle	Piezo resistive
Range	± 30 kPa
Accuracy	$\pm 1\%$

CO Analyzer

Principle	Non-dispersive Infrared Analyzer
Range	0 - 0.5%
Accuracy	$\pm 1\%$

Cabin Pressure

Principle	Piezo resistive
Range	± 1 kPa
Accuracy	$\pm 1\%$

He Analyzer

Principle	Ultrasound
Range	0 - 20 % He
Accuracy	$\pm 1\%$

Weight

Weight of cabin	150 kg
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Dimensions

W/o door Handle	86 cm x 185 cm x 71 cm
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POWERCUBE BODY+

technical specifications

Standards

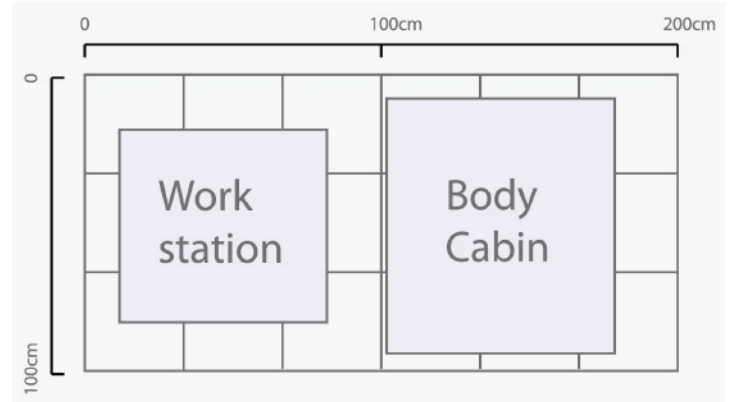
Quality Management	ISO 13485
FDA	510(k) market clearance
MDD 93/94/ECC	CE Marked
Electrical safety	EN 60601-1 (Third Edition)

Electrical Requirements

Power Consumption	Max. 120 KVA
Voltage	24 V
Frequency	50/60 Hz

FEATURES

- ✔ **COMPLETE PACKAGE.**
Includes ergonomic trolley, PC, monitor, printer and isolating transformer.
- ✔ **WHEEL-CHAIR & XL-CABIN AVAILABLE.**
Increased comfort for exceptional patients.
- ✔ **MAXIMUM COOPERATION.**
Panorama view and LED-Lights for maximum patient comfort.



ADMINISTRATIVE PROGRAMS

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

MEASUREMENT PROGRAMS & FEATURES

	STANDARD	OPTION
Bodyplethysmography (TGV)	✔	
Airway resistance (Eff, Tot, 0.5, mid, peak)	✔	
Slow Spirometry	✔	
Forced Spirometry/Flow-Volume	✔	
Single Breath Diffusion	✔	
FRC - Oxygen Wash-in		✔
Offline Input of Bloodgases	✔	
Provocation		✔
Rhinomanometry		✔
Rocc		✔
MIP/MEP (Muscle Strength)		✔
MVV (Maximal Voluntary Ventilation)		✔
FOT (Forced Oscilometry Technique)		✔
Compliance		✔
Capnovolumetry		✔



GANSHORN

SCHILLER GROUP

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