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
- **LONGLIFE GAS ANALYZERS** - No replacements or periodic changes needed
- **BROAD SPECTRUM OF OPTION** - Multiple programs, making the PowerCube Body+ your comprehensive analysis device
- **COST & SPACE** - optimized
- **ATS/ERS GUIDELINES** - Fully conforms to Gold Standards
- **LFX: USER-FRIENDLY INTUITIVE SOFTWARE** - Latest programming technologies safeguard natural day to day workflow

TECHNICAL DATA

Flow-Measurement

Principle	Ultrasound Transit Time
Range	0 - 18 l/s
Accuracy	Exhalation 0 to 16 L / s: 1.5 % or 0.05 L/s (whichever is greater)
	Inhalation 0 to 16 L/s: 2.0 % or 0.05 L/s (whichever is greater)
Resistance	<0.05 kPa/(l/s) at 14 l/s

Volume-Measurement

Principle	Digital Integration
Range	Not limited
Accuracy	± 2% or 50 ml/s (whichever is greater)

Mouth Pressure

Principle	Piezo resistive pressure sensor
Range	± 20 kPa
Accuracy	± 1% at 3 kPa

Cabin Pressure

Principle	Piezo resistive pressure sensor
Range	± 3 kPa
Accuracy	± 1%

CO Analyzer

Principle	Non-dispersive Infrared Analyzer
Range	0 - 0.5%
Accuracy	± 1%

He Analyzer

Principle	Ultrasound
Range	0 - 20 % He
Accuracy	± 1%

Weight

Weight of cabin   150 kg

Dimension

W/o door Handle 86 cm x 185 cm x 71 cm

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Standards

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

Electrical Requirements

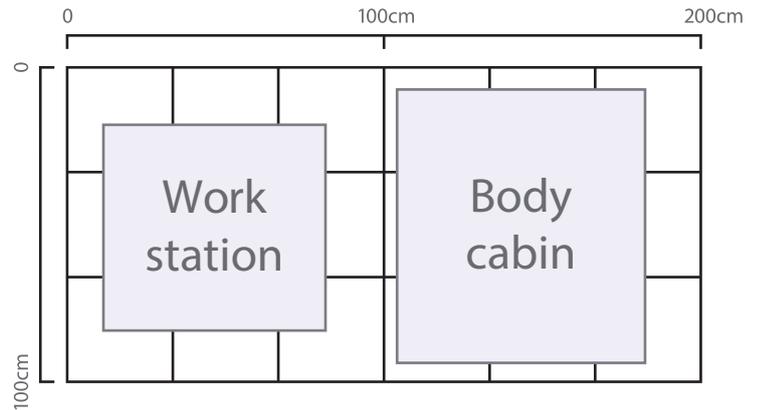|	
Power Consumption	Max. 120 VA
Voltage	24 V
Frequency	50/60 Hz

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.

(Diagram: 0 – 100cm – 200cm / 0 – 100cm showing "Work station" and "Body cabin")

ADMINISTRATIVE PROGRAMS

	STANDARD	OPTION
■ SQL Database	✔	
■ Report Generator	✔	
■ Multiuser license		✔
■ 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 - Nitrogen Washout		✔
■ Offline input of Parameters (FeNO or BloodGas)	✔	
■ Provocation		✔
■ Rhinomanometry		✔
■ ROCC		✔
■ MIP/MEP (Muscle Strength)		✔
■ MVV		✔
■ ROS/FOT		✔
■ SNIP		✔
■ Real-Time Breath		✔

wheelchair cabin
dimensions: 130 x 185 x 95 cm
ramp: 140 x 88 cm

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You need more information?
www.ganshorn.de

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