ADVANCED LUNG GAS EXCHANGE ANALYSIS
High-speed trustworthy diagnosis of diffusion and distribution disorders

YOUR ADVANTAGES

- ☑ **INSTANTANEOUS DIFFUSION RESULTS** - Gas analysis conducted by longlife real-time analyzers using only 1 Gas bottle (CO, He).
- ☑ **MAINTENANCE FREE** - Clean and high-precision via ULTRASOUND Technology.
- ☑ **LONGLIFE GAS ANALYZERS** - No replacements or periodic changes needed.
- ☑ **FREE OF BREATHING BAGS** - Gas intake is regulated and waste is avoided.
- ☑ **ATS/ERS GUIDELINES** - Fully conforms to Gold Standards.
- ☑ **EASY USE** - Change mouthpiece and get started.
- ☑ **ONLINE TEMPERATURE & MAXIMUM PRECISION** - The BTPS correction factor is calculated during the measurement.

TECHNICAL DATA

Flow-Measurement

Principle	Ultrasound Transit Time
Range	0 - 20 l/s
Accuracy	± 2%
Resistance	<0.05 kPa/(L/s) at 14 L/s

Volume-Measurement

Principle	Digital Integration
Range	Not limited
Accuracy	± 2%

CO Analyzer

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

He Analyzer

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

Weight

Measurement Module	7.6 kg
Module with trolley	70 kg

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. 30 VA
Voltage	240 V
Frequency	50/60 Hz

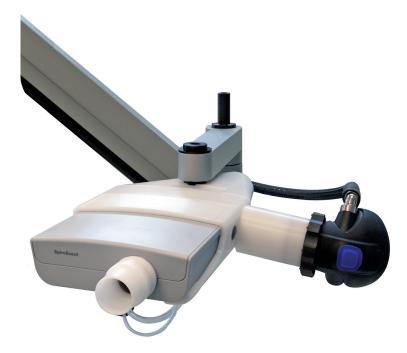## GANSHORN Medizin Electronic GmbH

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POWERCUBE DIFFUSION+
technical specifications

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
Slow Spirometry	✓	
Forced Spirometry/Flow-Volume	✓	
Single Breath Diffusion	✓	
FRC - Nitrogen Washout		✓
Offline Input of Bloodgases		✓
Provocation		✓
Rhinomanometry		✓
ROCC		✓
MIP/MEP (Muscle Strength)		✓
MVV		✓
ROS/FOT		✓
Compliance		✓
Capnovolumetry		✓

Dimensions Schematic:

0 — 100cm
0 — 100cm

Work station

FEATURES

☑ **3D SWIVEL ARM**
The mouth sensor can be exactly adjusted to position of the patient

☑ **COMPACT DESIGN**
Perform diffusion tests everywhere with Ganshorn's mobile diffusion cube - all components in one single box.

☑ **SAVE TIME**
A semiautomatic gas calibration allows you to calibrate the gas analyzers within seconds.

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You need more information?
www.ganshorn.de

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