

Web and network solutions

LF8 is network compatible and is able to connect to a hospital information system (HIS) via GDT or HL7. We also offer a comprehensive package of data exchange solutions.

- G-NET Web Interface
- HL7
- GDT
- DICOM
- XML
- HTML
- PDF Export



Technical Specifications

PowerCube Body+® measuring system (Ref.No. 054270050) including BodyBox, measurement module PowerCube+®, shutter unit with ultrasonic high accuracy flow sensor, BodyLiveCal, software package LF8 for Microsoft Windows® XP and 7, standard accessories, trolley with med. 230V isolating transformer 1000 VA. For the measurement programs Spirometry, Flow-Volume, MVV, Bodyplethysmography, Rocc, P0,1/Pmax, offline input of blood gas values.

Options:

- 013200301 Single breath diffusion
- 013200302 Rhinomanometry
- 013200303 Compliance
- 013200304 Capnometry
- 013200201 Height-adjustable chair instead of bench
- 013200203 LED lighting
- 013200204 Individual inner panels
- 433 011 Aerosol dosimeter ProvoJet

Further options on request. The software is network capable and has interfaces to external software programs.

Active medical system of Class IIa
Flow Sensor: Ultrasound FlowSensor

Flow	Range	Accuracy	Resolution
	0 - 20 L/s	<+/- 1%	1 ml/s

Volume	Range	Accuracy	Resolution
	0 - 20 L	+/- 5 ml	1 ml

RS 232 – infrared interface for 4 KV-separation between PowerCube and PC

Measurement module: PowerCube+®

Body cabin material: Safety glass, aluminium

Cabin measuring principle: Volume constant plethysmography

Door-lock: Electromagnetic

Calibration: BodyLiveCal (patented)

Volume: 940 litres

Cabin outer dimensions: 86 cm x 185 cm x 71 cm (w/o. door handle),

77 cm (with door handle)

Weight of cabin: 150 kg

Complete weight of system: approx. 190 kg

Power supply 230 V/50 Hz

Power consumption approx. 300 VA



PowerCube Body+

Bodyplethysmography

Our experience is your advantage

The new standard

Bringing forward significant innovations

The new PowerCube Body+ is the result of decades of our experience in constructing body plethysmographs while using the latest technology.

Just by looking at the shape of the curve enables you to initially differentiate between Asthma, COPD, Restriction or any combination of these disorders. This is due to the upmost long-term stability, in conjunction with our new analysis algorithms. Unlike conventional, basic systems the resistance loops will not be automatically closed but are corrected for BTPS according to the ambient conditions on a breath-by-breath basis.

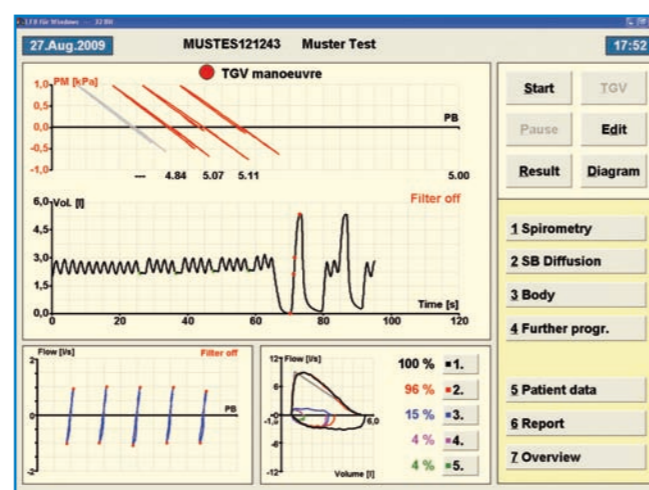
The PowerCube Body+ is the first Body cabin on the market:

- using ultrasonic flow measurement as standard
- that is calibration free
- to have an easily adjustable patient interface
- to offer to choice of either a broad bench seat or a height-adjustable swivel chair (max. 120 kg)
- with automatic and simultaneous calibration of both the cabin and the mouth pressure at three different frequencies
- that offers a BodyLiveCal to test your TGV
- with ceiling lighting that can illuminate in different colours, including white
- with LEDs indicating the locked status of the door

Only we can offer you this extensive range of features allowing you to adapt your cabin to suit your personal preference and requirements.

Measurement programs: Spirometry/Flow-Volume, MVV, Bodyplethysmography (Resistance loop: SRtot, SReff, Rtot, Reff, Rin, Rex, Lung volume: TGV, TLC, RV, RV%TLC u.a.m.), ROCC, PImax/PEmax/P100, offline input of blood gas values

LF8 pulmonary function testing software



Typical PowerCube Body+ screenshot

Fast, user-friendly and reviewed work flow: Ganshorn LF8 software enables you to record your measurement data easily and efficiently.



Our experience is your advantage

We set the trend & apply new ideas

- Exemplary and extremely stable cabin design made of aluminium and security glass
- Ample leg-room
- Clean and compact cable organisation
- All measurements, except bodyplethysmography, can also be performed outside of the cabin
- Option to integrate diffusion and/or provocation which can be performed either inside or outside of the cabin
- Fixed exit assist handle located in the cabin ceiling



Various options available for your PowerCube Body+:



PowerCube Body+ patient interface with diffusion module

- Single breath diffusion real time
- Bronchial provocation
- N2 washout
- FRC rebreathing
- Capnometry
- Emphysema test



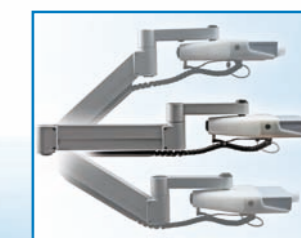
Electromagnetic door lock with LED locking control



Fixed exit assist handle and LED lighting located in the cabin ceiling



Open door button inside the cabin



Easy and flexible, height-adjustable patient interface