

PowerCube Body+

Body Plethysmograph



Technical Data

Flow measurement

Method	Ultrasound transit time
Range	0 to ± 18 l/s
Accuracy	$\pm 2\%$ or 0.05 l/s (for 0.0 to ± 16.0 l/s)

Volume measurement

Method	Digital integration
Range	0 l to 30 l
Accuracy (according to ISO 26782, Annex C)	$\pm 2\%$ or 0.05 l for 0.0 - 8.0l)

Cabin pressure

Method	Piezo resistive pressure sensor
Range	$\pm 0,25$ kPa / $\pm 2,5$ mbar
Accuracy	$\pm 1\%$ FS

CO analyzer

Method	Non-dispersive infrared analyzer
Range	0 to 20 Vol.% He
Accuracy	$\pm 2.5\%$ FSO

He analyzer

Method	Ultrasound
Range	0 to 20 Vol.% He
Accuracy	$\pm 2.5\%$ FSO

Dimensions

Standard	851 x 770 x 1820 mm
Wheelchair	1390 x 1030 x 1820 mm
XL	9940 x 880 x 1820 mm

Electrical requirements

Power consumption	Max. 120 VA
Voltage	110 V to 240 V
Frequency	50/60 Hz

Computer interface

Data transfer to PC	Serial: Opto isolated RS232; 57.600bps; 8 Databits; no Parity; 1 Stopbit; 1 Startbit
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Max. load

Bench	250 kg
Chair	120 kg

Weight

Body cabin standard	195 kg
Body cabin wheelchair	276,5 kg
Body cabin XL	232 kg