

PowerCube Ergo

Cardiopulmonary Exercise
Testing



Technical Data

Flow measurement

Method	Pneumotachograph with variable orifice
Range	0 to ± 18 l/s
Accuracy	$< \pm 3\%$ or 50 ml/s (larger value applies) PEF: $\pm 5\%$ or 150 ml (larger value applies)

Volume measurement

Method	Digital integration
Range	Not limited, graphical display 0 to 10l
Resolution	10 ml
Accuracy	$\pm 0.1\%$

O₂ measurement

Method	Chemical oxygen cell lead free, ROHS compliant
Range	0 to 40% O ₂
Response time	t ₁₀ – t ₉₀ : < 350 msi

CO₂ measurement

Method	Ultrasound
Range	0 to 15 % CO ₂
Resolution	< 0.01 % CO ₂
Rise Time (10-90)	<100 msec
Accuracy	$\pm 0.1\%$ CO ₂

Standards

MDD 93/42/ECC	CE Marked
Electrical safety	EN 60601-1