



Technical Specifications

Product	Description	REF
Innocor LCI	Lung Clearance Index	INN00400-1b
Standard packaging	Innocor unit, compact respiratory valve w/ flowmeter and sampling line, 2L and 3L rebreathing bags, pulse oximeter, mouthpieces (4 pcs), antibacterial filters (5 pcs adult & 5 pcs pediatric), nose clips (5 pcs), software, power cord and user manual.	
Standard tests		
Lung Clearance Index	LCI, FRC	
Optional tests		
Cardiac Output	CO, Pulmonary Blood Flow, Lung Volume	
CPET - Breath by Breath	Gas Exchange (VO ₂ , VCO ₂ , RER), Ventilatory (VE, VT, RR), Heart Rate, Spirometry (FVC, FEV ₁)	
Flowmeter		
Type	Differential pressure pneumotachometer	
Range (Standard size)	±100 L/min	
Sampling frequency	100 Hz	
Dead space	12 mL	
Rebreathing valve		
Type	Pneumatic, with silicone valve insert	
Dead space, Compact (non-rebreathing)	5 mL	
Multi-Gas analyzer		
Type	Photoacoustic spectroscopy	
Components and ranges	N ₂ O 0-2.5%, SF ₆ 0-0.5%, CO ₂ 0-10%	
Accuracy after calibration	± 1.5% rel.	
Signal-to-noise ratio	> 1000 @ half-scale (N ₂ O and SF ₆); > 400 @ half-scale (CO ₂)	
Sampling frequency	100 Hz	
Sample flow rate	120 mL/min	
Oxygen sensor		
Type	Laser diode absorption spectroscopy	
Range	5-100%	
Accuracy after calibration	± 1.5% rel.	
Signal-to-noise ratio	> 500 @ 21% O ₂	
Sampling frequency	100 Hz	
Sample flow rate (same flow as above)	120 mL/min	
Gas supply		
Gas composition	5% N ₂ O, 1% SF ₆ , 94% O ₂	
Cylinder capacity	18 L (0.15 L @ 124 bar & 21 °C)	
Approx. number of test manoeuvres	~ 75	
Hardware		
Dimension & Weight	35 x 29 x 26 cm / 8 kg	
Power supply	100-120 V / 200-240 V, 50/60 Hz	
Power consumption	30 W nom., 50 W max.	
Environmental		
Operating temperature	10 - 40 °C	
Operating pressure	525 - 800 mmHg	



Software	
Available languages	English (US/GB/IE), Danish, German, Italian, Spanish, Dutch, Portuguese, Swedish, French
PC Configuration	
	Windows 10, RAM >1 GB, Hard Disk >16 GB, 1 USB port
Safety & Quality Standards	
	FDA 510(k), EN 60601-1 (safety) / EN 60601-1-2 (EMC)



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