



Spirometer



Technical Specifications

Product	Description	REF
Q	Spirometer	C09094-01-99
Standard packaging	Q unit, T4 turbine, adapters, protective case, USB C-C cable, quick start guide	
Measurements		
Spirometry	Forced Vital Capacity (FVC) Pre/Post/Challenge, Slow Vital Capacity (SVC) Pre/Post, Maximum Voluntary Ventilation (MVV)	
Oximetry and HR	Measurement of Functional Oxygen Saturation and HR	
Hardware		
Dimensions & Weight	155 x 55 x 26 mm / 90 g	
Ports	USB	
Power supply	via USB type C	
Internal battery	Li-ion 3.7V, 1100 mAh, 4.1Wh	
Wireless Connectivity	Bluetooth® Low Energy	
Flowmeter	T4	
Type	Bidirectional digital turbine	
Flow Range	0-14 L/s	
Flow accuracy	± 5% or 200 mL/s	
Volume Range	0-12 L	
Volume accuracy	± 2.5% or 50 mL	
Resolution	6 mL	
Resistance	≤0.55 cmH ₂ O /L/s @ 14L/s	
Oximetry		
Type	Reflective LED sensor	
SpO2 Range	70 – 100%	
HR Range	30 – 200 bpm	
SpO2 Accuracy	Arms ±3.00% (70-80%), Arms ±2.58% (80-90%), Arms±2.15% (90-100%)	
HR Accuracy	± 3 bpm	
Software	OMNIA	
Available languages	English, Chinese (Traditional & Simplified), Czech, Danish, Dutch, French, German, Greek, Hebrew (interpretation only), Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Turkish	
PC requirements	Windows 10 (64bit), Windows 11 (64bit), CPU type ≥ Intel i3 10th generation, CPU speed≥ 1.4GHz, RAM ≥ 8GB, HD ≥ 32GB for full installation, Monitor resolution ≥ 1366x768 pixel, ≥2 USB port	
Options/Accessories	Description	REF
Calibration syringe	3L certified syringe for measurements accuracy	C00600-01-11
Software	OMNIA spirometry module	A-670-100-001
Consumables	Description	REF
Antibacterial/Antiviral filter	Single use with oval mouthpiece (50 pcs.)	A-182-300-005
Nose clip	Single use (25 pcs.)	A-662-100-001
Standards		
MDR (2017/745); IEC 60601-1 (safety) / IEC 60601-1-2 (EMC); ISO 80601-2-61		



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