



Product Comparison Matrix



	Q-NRG+	Q-NRG	Quark RMR
Product Type			
Standalone	●	●	
PC based	○	○	●
Patient Type			
Mechanically ventilated	●		○
Spontaneously breathing	○	●	●
Available Test Mode			
Ventilator	●		○
Canopy Hood	○	●	●
Face Mask	○	○	○
Antiviral/Antibacterial Filter	○	○	○
Gas Sensors Technology			
Oxygen (O ₂)	GFC	GFC	Paramagnetic
Carbon Dioxide (CO ₂)	NDIR	NDIR	NDIR
Flowmeter Technology			
Flowmeter - Vent	Disposable PNT (FlowREE)		Disposable PNT (FlowREE)
Flowmeter - Canopy/Mask	Digital bidirectional turbine	Digital bidirectional turbine	Digital bidirectional turbine
Hardware			
Display	10.1" Transmissive TFT LCD, capacitive touch screen		PC Monitor
Battery	Rechargeable Li-Ion		
Power	100-240V ± 10%		100-240V ± 10%
Printer	External printer		External printer
Wired connectivity	USB (2 x Host Type), RS-232, LAN		USB, RS-232
Wireless connectivity	Bluetooth 2.1		
Weight and Dimensions	4.65 kg - 31x21x27 cm		8 kg - 16x33x41 cm
Options			
Canopy Hood, Pediatric	○	○	○
Cart	Q-NRG cart	Q-NRG cart	Medical grade
Pole/Rail/Clamp	○	○	
Software			
Name	OMNIA (option)	OMNIA (option)	OMNIA
Operating System	Windows® 10 (64-bit) Windows® 11 (64-bit)	Windows® 10 (64-bit) Windows® 11 (64-bit)	Windows® 10 (64-bit) Windows® 11 (64-bit)
Tests			
Indirect Calorimetry			
Resting Energy Expenditure (REE, RMR)	●	●	●
Substrates Analysis (RQ, %FAT, %PRO, %CHO)	●	●	●
Cardio Pulmonary Exercise Test (CPET)			
VO ₂ max, sub-max VO ₂ , thresholds (AT, RCP)			○
Spirometry			
FVC, SVC, MVV, Bronchochallenge (Pre, Post)			○
Other Tests			
Pulse Oximetry (SpO ₂)			○

● Standard ○ Upgrade