



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 8, 8.1, 10, 11	Windows 8, 8.1, 10, 11	Windows 8, 8.1, 10, 11
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)			○
Weight Management Program (Energy Balance)			
PAL classification			
Diet Planner			
Standardized Measurements (WHR, BP, RHR, etc)			
Body composition by Skinfold (Formulas)			

● Standard ○ Upgrade