








Choose the product according to required features and purpose of use.
Call +39 (06) 931-5492 (International) or +1 (773) 645-8113 (US only) for more info

Product Comparison Matrix						
		Q-NRG+	Q-NRG	Quark RMR	Fitmate GS	Fitmate
Product Type						
Standalone		●			●	●
PC based		○		●	●	●
Patient Type						
Mechanically ventilated		●		○		
Spontaneously breathing		○	●	●	●	●
Available Test Mode						
Ventilator		●		○		
Canopy Hood		○	●	●	●	○
Face Mask		○	○	●	○	●
Antibacterial Filter		○	○	●	○	●
Gas Sensors Technology						
Oxygen (O ₂)		GFC	GFC	Paramagnetic	GFC	GFC
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	Digital bidirectional turbine	Digital bidirectional turbine
Hardware						
Display		10.1" Transmissive TFT LCD, capacitive touch screen		PC Monitor	Color LCD 320x240 pixel	
Battery		Rechargeable Li-Ion			Rechargeable Li-Ion	
Power		100-240V ± 10%		100-240V ± 10%	100-240V ± 10%	
Printer		External printer		External printer	Built-in high-speed thermal printer or PC	
Wired connectivity		USB (2 x Host Type), RS-232, LAN		USB, RS-232	USB	
Wireless connectivity		Bluetooth 2.1				
Weight and Dimensions		4.65 kg 31x21x27cm		8 kg - 17x30x45 cm	1.5 kg - 24x20x8 cm	1.5 kg - 24x20x8 cm
Options						
Canopy Hood, Pediatric		○		○		
Cart		Q-NRG cart		Medical grade (120 Vac)	Fitmate cart	
Pole/Rail/Clamp		○				
Software						
Name		OMNIA (option)	OMNIA (option)	OMNIA	Fitmate Suite	
Operating System		Windows 7, 8, 8.1, 10	Windows 7, 8, 8.1, 10	Windows 7, 8, 8.1, 10	Windows XP, VISTA, Windows 7	
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)					●	●
Physical Activity Monitoring (PAL classification)					w/ Lifecorder	w/ Lifecorder
Diet Planner					●	●
Standardized Measurements (WHR, BP, RHR, etc)					●	●
Body composition by Skinfold (Formulas)					●	●

● Standard ○ Upgrade