

- Accurate Measurement of Resting Energy Expenditure
- Tests performed either with reusable face mask or with mouthpiece and AB filters
- Affordable, Portable, Compact, Easy to Use with Built-in Printer
- Energy Balance based Weight Management Plans
- Includes Software for Data Management, Lifestyle Analysis & Full Diet Plans
- Integration with Activity Monitor
- Validated vs. Gold Standard Technique

## Complete Desktop Solution for Accurate, Quick & Simple Indirect Calorimetry

Fitmate allows affordable, simple and quick measurements of metabolism, a fundamental component of any individual weight management program. Tests can be taken with silicone multi-use face masks or with the 'mouth-jece & Antibacterial Filter technique. Only a few minutes are needed to measure energy requirements at rest (Kcal/day) and to define nutrition plans based on energy balance (calories in - calories out). Fitmate gives also the possibility to manage other measurements (body composition, anthropometrics, etc.).

Fitmate is a desktop indirect calorimeter, ideal choice for commercial weight management purposes with its large LCD screen and built-in printer that allow the user to perform tests without the use of a computer.

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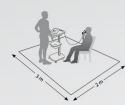
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Fitmate suite software allows users to save all data, make trends and includes additional features like energy balance, diet plan, phys-ical activity monitor, etc.



## Validation articles





## Technical Specifications

Fitmate	Desktop indirect calorimetry	C09066-01-99
Standard packaging	Fitmate unit, RMR Flowmeter ID18, AC/DC Adapter, USB cable, Body meter, Oxygen Sensor, Thermal paper, Antibacterial filters (10 pcs), Nose clips (2 pcs), Rubber mouthpieces (5 pcs), Fitmate PC Software (CD-Rom), Fitmate case	
Standard Tests		
Nutritional Assessment	Resting Energy Expenditure (REE, RMR). Indirect Calorimetry (w/ Face Mask or w/ mouthpieces-antibacterial filter), Weight Management Program (Energy Balance), Diet Planner, Standardized Measurements (WHR, BP, RHR, etc), Body composition by Skinfold	
Туре	Bidirectional Digital Turbine	
Flow Range	0-8 l/s	
Accuracy	$\pm$ 2% or 20 ml/s (flow) $\pm$ 2% or 100 ml/min (ventil.)	
Resistance	<0.7 cmH <sub>2</sub> 0I/s @ 3I/s	
Ventilation range	0-50 l/min	
Gas Analyzers		
Туре	GFC	
Range	0-25%	
Accuracy	±2% (REE) ±0.02% (0 <sub>3</sub> )	
Warm-up time	10 seconds	
Hardware		
Dimensions & Weight	24 x 20 x 8 cm / 1.5kg	
Interface ports	USB A-B, Flowmeter. RS-232	
Display	Colour LCD 320 x 240 pixel	
Printer	High speed thermal printer 12 cm	
Battery	Rechargeable Li-ion batteries (autonomy 6h; charging time 2h10)	
Electrical Requirements	100-240V ± 10% 50/60 Hz	
Available languages	Italian, English, Spanish, French, German, Portuguese, Greek, Dutch, Turkish, Chinese, Korea Japanese, Finnish, Polish, Russian, Slovenian	
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PC Configuration	Pentium or faster, Windows XP, VISTA (32/64 bit), Windows 7 (32/64 bit) 128 Mb RAM or more, USB, CD-Rom reader, 80 Mb on HD space available.	
Accessories & Options	Description	REF
REE with Canopy Hood	Kit including transparent canopy hood and blower for "gold standard" indirect calorimetry measurements at rest	C03950-01-11
Fitmate cart	Fits Fitmate unit, printer, masks, printouts, carrying case	C02950-01-11
Calibration syringe	3L syringe for accuracy check of flow volume measurements	C00600-01-11
0, sensor replacement kit	Includes GFC sensor, sampling line and mounting key	(02748-01-11
Activity Monitor Fitmate	Integrated one-axial, solid state accelerometer. Records up to 60 days of data, steps , distance, energy expenditure, and	C03580-01-04

Safety & Quality Standards
MDD (93/42 EEC); FDA 510(k); EN 60601-1 (safety) / EN 60601-1-2 (EMC)





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