






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						
		microQuark	Pony FX	Pony FX Mip/Mep	Spiropalm 6MWT	Quark Spiro
Technology						
Spirometer Type		PC based	Desktop	Desktop	Desktop	Stationary
Flowmeter						
Characteristics		Digital Bidirectional Turbine	Digital Bidirectional Turbine	Digital Bidirectional Turbine	Digital Bidirectional Turbine	Digital Bidirectional Turbine
Accuracy		±2% or 20 mL/s	±2% or 20 mL/s	±2% or 20 mL/s	±2% or 20 mL/s	±2% or 20 mL/s
Flow Range		0-16 L/s	0-16 L/s	0-16 L/s	0.08-20 L/s	0-14 L/sec
Ventilation Range (MVV - Exercise)		0-300 L/min	0-300 L/min	0-300 L/min	0.08-300 L/min	
Resolution		12 mL	12 mL	12 mL	12 mL	1 mL
Resistance		<0.6 cmH2O/L/s @14L/s	<0.6 cmH2O/L/s @14L/s	<0.6 cmH2O/L/s @14L/s	<0.6 cmH2O/L/s @14L/s	<1.0 cmH2O/L/s @ 14 L/s
Calibration		w/ 3L Syringe	w/ 3L Syringe	w/ 3L Syringe	w/ 3L Syringe	w/ 3L Syringe
Printing						
Built-in high speed thermal printer			●	●		
Direct USB connection w/ external printer					●	
PC printer (through software)		●	●	●	●	●
Hardware						
Display		PC monitor	Colour LCD 320x240 pixel	Colour LCD 320x240 pixel	LCD B/W 320x240 pixel	PC monitor
Interfaces		USB	USB/RS232	USB/RS232	USB	USB/RS-232
Memory capacity		PC limited	400-600 tests	400-600 tests	600-1000 tests	PC limited
Batteries Autonomy (operating mode)			5 hours	5 hours	6 hours	
Electrical Requirements		USB (5V)	AC/DC 100-240V	AC/DC 100-240V	AC/DC 100-240V	AC/DC 100-240V
Dimensions (cm)		15x4.5x5.3	19.8x23.8x7.6	19.8x23.8x7.6	18.5x8.6x3.1	33x41x16
Weight (g)		77	1200	1200	600	6000
Software						
PC Software (OMNIA)		●	●	●	●	●
Available languages	English, Chinese (Traditional & Simplified), Czech, Dutch, French, German, Greek, Hebrew (interpretation only), Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Turkish					
PC requirements	Windows 7 SP1 (32/64 bit) or Windows 8.x (32/64 bit) or Windows 10 (32/64bit), CPU ≥ 2Ghz, RAM ≥ 4GB, HD ≥ 10GB for full installation, Monitor resolution ≥ 1366x768 pixel					
Automatic Interpretation		●	●	●	●	●
Tests						
Spirometry						
Forced/Slow Vital Capacity (FVC-SVC), Pre/Post		●	●	●	●	●
Maximum Voluntary Ventilation (MVV)		●	●	●	●	●
Bronchial Challenge Test		●	●	●	●	●
Bronchial Challenge Test with integrated dosimeter						○
Airway Resistance (Rocc/Rint)			○	○		○
Respiratory Mechanics (MIP/MEP)				●		
Forced Oscillation Technique (FOT)						●
6 Minute Walk Test (6MWT)					●	
Oxygen Saturation (SpO ₂ , HR) w/ Nonin ipod			○	○	●	