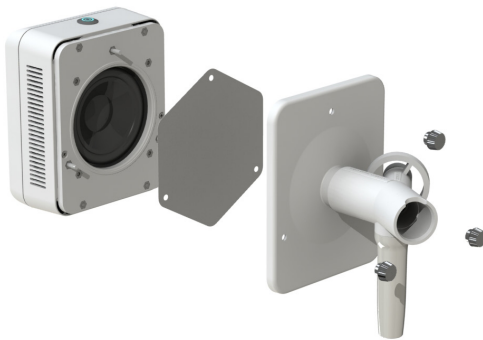


Q-i2m FOT Module with flowmeter connection and patient filter.



Q-i2m FOT module assembly. The internal protection membrane can be easily cleaned or replaced by the user.

Technical Specifications

Product	Description	REF
Q-i2m, FOT Module	Forced Oscillation Technique (FOT)	C05090-01-11
Standard packaging	Q-i2m unit, Q-i2m flowmeter, calibration unit, test loads, power supply, cord adapter, RS232 serial communication cable.	
Standard Tests		
Forced Oscillation Technique	Total Respiratory System Impedance (Zrs), Resistance (Rrs) & Reactance (Xrs), Ax, Resonance frequency (fres), frequency dependency, average Rrs and Xrs.	
FOT Technology		
Signal Type	Optimized pseudorandom noise (PRN)	
Signal Frequencies	Between 5 and 37 Hz	
Peak Input Pressure	< 3cmH2O	
Measurement Accuracy	10% or 0.1cmH2O/L/s	
Testing time	Up to 30 sec	
Mouth Pressure Sensor		
Range	±12.68 cmH2O	
Resolution	±0.0078 cmH2O	
Linearity	0.05% fs	
Flow Sensor		
Range	± 2L/s	
Resolution	± 0.00034 L/s	
Linearity	0.05% fs	
Calibration and Verification		
Calibration Test Load	2 cmH2O/L/s	
Verification Test Load	15 cmH2O/L/s	
Hardware		
Dimensions & Weight	140x160x190 mm / 0,8 kg	
Interface ports	RS232	
Power Supply	Medical grade AC/DC 100-240 VAC, 50-60 Hz, OUT 12Vdc 1.5A	
Environmental conditions of use	Temperature 10-35 °C; Humidity 5-93%; Atmospheric Pressure 700-1060 hPa	
Software		
OMNIA		
Languages	Italian, English, Spanish, French, German, Portuguese, Greek, Dutch, Turkish, Russian, Chinese (Traditional & Simplified), Korean, Romanian, Polish, Czech, Norwegian, Hebrew (interpretation only)	
OS Requirements	Windows 7, 8, 10	
Safety & Quality Standards		
MDD (93/42 EEC); EN 60601-1 (safety) / EN 60601-1-2 (EMC)		

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