

BIODY XPERT^{ZM} 3

Bioimpedance measurement device
Body composition analysis



Clinical specifications

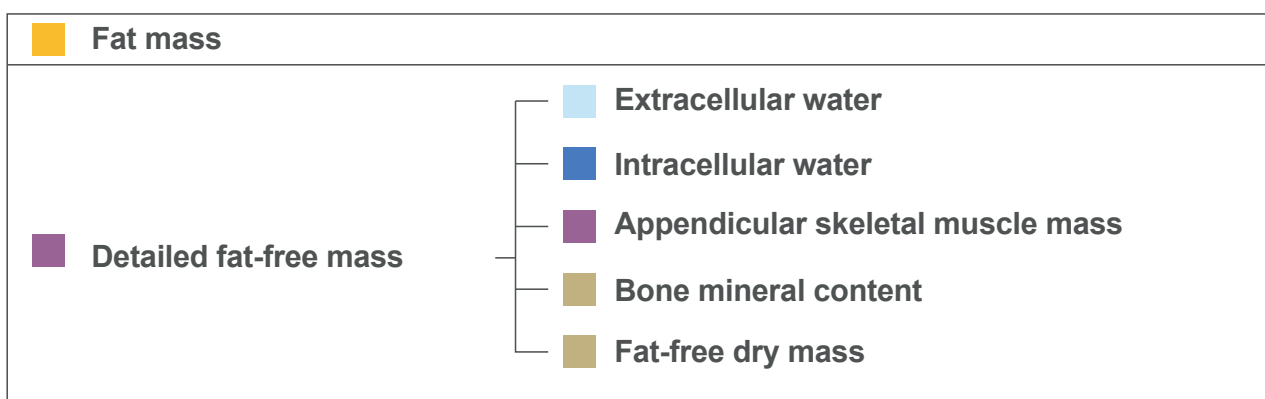
Adult patients

from 19 years old.

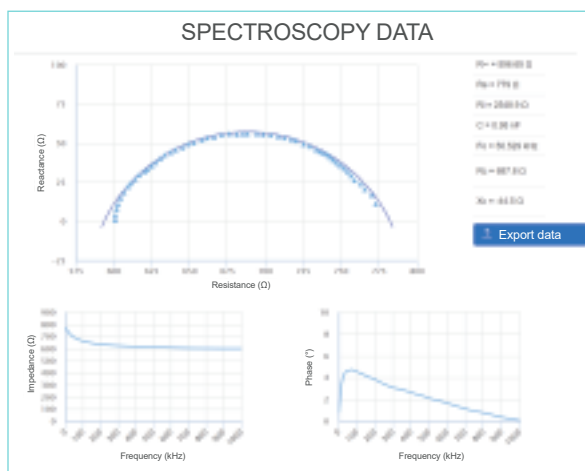
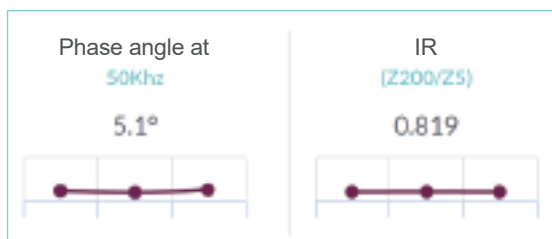
The BIODY XPERT^{ZM3} is a bioimpedance device that provides information for the control and monitoring of body composition as well as the general nutritional status of individuals, specifically for fat-free mass, appendicular muscle mass, and fat mass.

Compartments or tissues evaluated:

The analysis of the BIODY XPERT^{ZM3} measurement is provided in the form of indicators with color codes, representing the different body compartments or tissues, from the simplest 2-compartment model "Fat Mass / Fat-Free Mass" to more detailed ones.



Spectroscopic bioimpedance data and bio indicators:



History:

Body composition and bioimpedance data.



Solution

Device



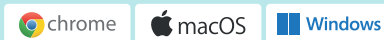
Software



Full web platform

- Measurement synchronization via Bluetooth
- Full web software optimized for the Google Chrome browser (macOS*, Windows*)
- 🔒 All circulating data is fully encrypted
- Patient data backup in France with HDS certified hosting
- Customizable dashboard (selection of indicators to display and saving of models)
- History of measurement results
- Printing of the analysis report

*See: Technical sheet



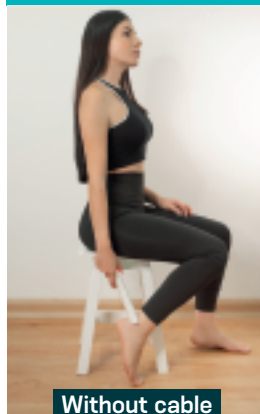
Mobile Applications

- Measurement synchronization via Bluetooth
- Available on Android and iOS*
- 🔒 All circulating data is fully encrypted
- Patient data backup in France with HDS certified hosting
- Simplified display of key indicators for quick reading
- History of measurement results
- Device function settings
 - Choice of vocal function language
 - Sound volume adjustment
 - Local date and time setting
 - Calibration control

*See: Technical sheet



Exclusive 2-in-1 system (measurement with or without cables)



Without cable



With cables

AMINOgram

Measurement	Quadripolar measurement (4 BF-type applied parts)		
Frequency Range	Multifrequency and spectroscopic impedance measurement from 1 to 1000 kHz. Multifrequency technology over 54 frequencies (1 to 1000 kHz)		
Spectroscopic Analysis	Representation of the result on Cole-Cole curve and display. Additional data: resonance frequency / $R_{in}/R_e/R_i$ /Membrane capacity/Resistance and Reactance at the center of the circle / Circle radius / Td.		
Measurement Range	20 to 1500 Ohms		
Current Intensity	35 μ A		
Precision	Impedance 1% Phase Angle $\pm 0.2^\circ$ Representatives: ± 160 g on fat-free mass $\pm 0.26\%$ ± 150 ml on total water $\pm 0.42\%$ ± 90 ml on extracellular water $\pm 0.54\%$		
Displayed resolution	Impedances in Ohm: 1 Ω Phase angle in degrees: 0.1 $^\circ$		
Wireless Bluetooth Connection	Bluetooth name: BX3, followed by the serial number of 8 digits (BX3-XXXX_XXXX) Characteristics: Bluetooth LE BGX220S – BGM220S Emission frequency band: 2402-2480 MHz Modulation frequency type: GFSK Equivalent radiated power: 11.11 dBm		
Power Supply	2 rechargeable NiMh LR6 batteries 1.2V 2800 mA PANASONIC REF: BK-3HGABE/4BE		
Weight	300 grams		
Dimensions	(L) 28.6 cm (W) 5.7 cm (D) 3 cm		
Transformer for recharging batteries	(One of these transformers is included with your device) <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> FRIWO FOX6-XM-USB Input: 100-240V 50-60Hz 160-80mA Output : 5V 1.4A </td> <td style="width: 50%; vertical-align: top;"> XPOWER -ACM06U505-BB Input: 100-240V 50/60Hz 0.2A Output: 5.0V 1.0A </td> </tr> </table>	FRIWO FOX6-XM-USB Input: 100-240V 50-60Hz 160-80mA Output : 5V 1.4A	XPOWER -ACM06U505-BB Input: 100-240V 50/60Hz 0.2A Output: 5.0V 1.0A
FRIWO FOX6-XM-USB Input: 100-240V 50-60Hz 160-80mA Output : 5V 1.4A	XPOWER -ACM06U505-BB Input: 100-240V 50/60Hz 0.2A Output: 5.0V 1.0A		
Automatic Launch Touch'n Start	The device starts the measurement as soon as the 4 electrodes are in proper contact with the subject's skin.		
Measurement Assistance	LED and voice guide.		
Electrode Technology	Direct measurement with integrated electrodes in the device (no consumables) + Wired function with cables and adhesive electrodes.		
Software and Application	BiodyConnect application (Android version 9.0 and above - iOS version 13.0 and above) Windows 10 and 11, macOS Monterey 12 and above for BiodyManager.com Web service software: www.biodymanager.com Up-to-date Google Chrome browser - activated Google Chrome flag		
HDS certified host	SIGMA INFORMATIQUE SAS ZI La Gesvrine - Rue Newton - 44240 LA CHAPELLE-SUR-ERDRE France		
Warranty	2 years		
Made in	France		
Manufacturer	Aminogram SAS ISO 13485:2016		
Medical Device Class IIa	0459		