

MINDWARE MOBILE IMPEDANCE SPECIFICATIONS

General

Sample Rate	500 S/s
Analog Channels	Bio 1, Bio 2, Z ₀ , dZ/dt, GSC
Accelerometer Channels	X, Y, Z
Resolution	24-bit Analog, 16-bit Accelerometer
Battery	1750 mAh
Isolation	3kV *
Lead Connectors	1.5mm TouchProof safety connectors
Height	4.62 in
Width	3.11 in
Depth	1.3 in + 0.56 in belt clip
Weight	8.4 oz

* Safety barrier to allow charging during use

Wifi Mode

Standards	802.11a/b/g/n
Bands	2.4GHz and 5GHz
Security	None, WEP, WPA-PSK, WPA2-PSK
Channels	Any 4
Simultaneous Capture	Up to 8 units
Battery Life	6+ hrs

Local Mode

Storage	SDHC card
Channels	Up to 8
Battery Life	24 hrs *

* Will be available with future firmware upgrade

Bio 1 & Bio 2

Applications	ECG, EMG, EOG, piezo respiration sensors, signal recording from other instruments
Configuration	DC-Coupled, Bipolar, Differential
Filtering	Low-pass at 150kHz
Range	+/- 2.4V (1x) +/- 1.2V (2x) +/- 0.8V (3x) +/- 0.6V (4x) +/- 0.4V (6x) +/- 0.3V (8x) +/- 0.2V (12x)



Z0 & dZ/dt

Applications	Cardiac impedance measurement (ZCG, ICG)
Range	0.1 - 30 ohms, +/- 2.4 ohms/s
Current Source	500uA @ 100kHz



GSC

Applications	Skin conductance measurement (GSC, EDA)
Range	0.5 - 100uS



Accelerometer (X,Y,Z)

Applications	Activity Monitoring, Position Monitoring
Range	+/- 8G

