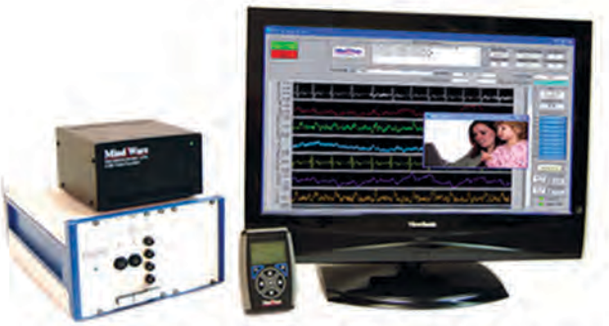
MindWare Mobile

The *MindWare Mobile Impedance Cardiograph* is unparalleled for lab based and real world monitoring of autonomic and sympathetic balance, cardiac performance, respiratory measurements and activity. An invaluable tool for any mobile or lab based system with eye tracking or behavioral coding.



- High performance and small form factor
- Collects EKG, GSC, EMG, Z_0, dZ/dt, and respiratory signals
- Local-mode recording to SD card
- Real time multi-unit synchronized wireless data transmission
- Seamless integration with all MindWare hardware and software
- Native 24 hour run time capability
- Built-in 3-axis accelerometer
- Simple electrode wire interface
- Built-in subject response buttons for event marking

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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