

Ambulatory & Wireless Monitoring



MindWare's line of ambulatory and wireless monitoring solutions are flexible to meet your most demanding research needs. There are four different ambulatory monitoring instruments for such measures as ECG, EMG, EEG, EOG, skin conductance (GSC), impedance cardiography, goniometers, accelerometers, and other transducers. Each unit can collect data locally to a SD memory card or transmit data via Wi-Fi with a wireless router to a desktop PC. Up to four units in any combination, or 16 different channels can be acquired simultaneously from multiple subjects or a single subject. In addition, collection of audio, video, and triggering/event marking can be integrated into the system through additional MindWare hardware. MindWare's BioLab acquisition and analysis application seamlessly integrates everything to give you the "total picture" on multiple or single subject studies in psychology, behavior, and biomechanics applications.

There are three ambulatory monitoring instruments to choose from:

- Ambulatory Impedance Cardiograph, Model 50-1000-00
- Ambulatory 3 Channel Bio-Potential with GSC , Model GSC 50-3000-00
- Ambulatory 4 Channel Bio-Potential, Model 50-5000-00



MindWare Ambulatory Monitoring Instruments

Ambulatory Impedance Cardiograph

Model 50-1000-00

The MindWare Ambulatory Impedance Cardiograph brings laboratory impedance cardiograph measurement quality to the field. This small battery powered instrument combines the power of PDA based data acquisition with precision electronics. It is ideal for studies that require monitoring of sympathetic, parasympathetic, and cardiac function. The MW1000A is small enough to be worn comfortably on a belt and is housed in a semi-rugged case. The MW1000A collects Z0, dZ/dt, ECG, and GSC. Data can be streamed to local storage on the PDA (512MB SD) or transmitted Wi-Fi to a host PC using a wireless router and MindWare's BioLab Acquisition and analysis application. Up to four units and digital audio video can be collected with our wireless group monitoring system.



Ambulatory Bio-Potential and GSC Monitor

Model 50-3000-00

The MindWare Ambulatory Bio-Potential and GSC monitor is perfect for psychophysiology and general purpose physiology work. This 4 channel unit can be used to monitor GSC (skin conductance), EMG, ECG, and EEG. This small battery powered instrument combines the power of PDA based data acquisition with precision electronics. The MW3000A is small enough to be worn comfortably on a belt and is housed in a semi-rugged case.



Bio-Potential and Transducer Monitor

Model 50-5000-00

The MindWare Ambulatory Bio-Potential Monitor is perfect for psychophysiology and general purpose physiology work. This 4 channel unit can be used to monitor EMG, ECG and EEG. This small battery powered instrument combines the power of PDA based data acquisition with precision electronics. The MW5000A is small enough to be worn comfortably on a belt and is housed in a semi-rugged case.

