





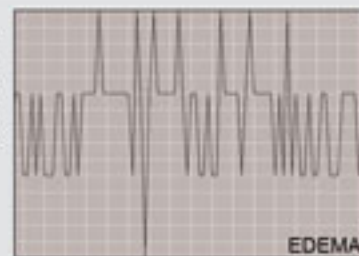
## Z OMEGA WAVE AC IMPEDANCE MODULATOR



### Applications

#### Non modulated Impedance simulation

Case Study example: Body fluid accumulation Impedance simulation AC total impedance from  $5\Omega$  to  $3375\Omega$  (12 bit resolution) can be programmed to simulate bodily fluid accumulation impedance trends.



#### Sine Wave Modulated Impedance simulation

Case Study example: Cardiogenic and Respiratory Impedance simulation. Sine wave modulated AC impedance  $Z = \text{Base} \pm \Delta\Omega$  to simulate impedance changes.



#### Arbitrary Wave Modulated Impedance

Simulation Case Study example:  
Animal Study and Clinical Data



