



MS-99 AI Meter



NO NEEDLE, NO PAIN, NO BLOOD, NO TEST STRIPS, NO INFECTION.

A I M e t e r

This device uses the patented AI algorithm technology to measure blood glucose.

- The method of measuring blood glucose is to capture the characteristics of the impedance, which is determined by extracellular medium, cell interior, and cell membrane, of glucose concentrations in blood by using electrical impedance spectroscopy (EIS).
- The intracellular fluid (ICF) and extracellular fluid (ECF), which is composed of the interstitial fluid and plasma, are acting like resistors in an electrical circuit. With the existence of lipid layer, the cellular membrane is acting like a capacitor in an electrical circuit.
- Our scientists model body tissues as electrical circuits. The fluctuation of blood glucose concentration will change the ionic balance in the plasma and increase or decrease the resistance of extracellular medium. Therefore, the glucose variation could be monitored by electrical impedance spectroscopy.
- Users need to touch the sensing electrodes with their four fingers. Two of the sensing electrodes emit the stimulating signal that is substantially a square wave with a specific frequency. The other two receive the feedback signal and conduct pre-processing and filtering procedures to convert the analog to digital signal.
- MS-99 AI Meter has collected three different diabetes types (Normal, Prediabetes, Type 2 diabetes) to cluster and develop specific patented algorithms to simulate blood glucose.
- MS-99 AI Meter is a revolutionary product combining electronic engineering and biomedical engineering. It is a true non-invasive blood glucose meter without the use of fingersticks or test strips.