

amulet

SCIENTIFIC

Meet the world's smallest handheld & battery-powered potentiostat.

This pocket-sized and wireless instrument features a small display, internal memory, and Bluetooth connectivity, making it an optimal choice for on-site detection. Its unique, compact design unlocks new opportunities in the development of affordable diagnostics, sensors, and wearable devices.

Technical Specifications

ELECTROCHEMICAL METHODS

- + Chronoamperometry
- + Multi-step Chronoamperometry
- + Linear Sweep Voltammetry
- + Cyclic Voltammetry
- + Normal Pulse Voltammetry
- + Differential Pulse Voltammetry
- + Square Wave Voltammetry

It's also possible to include programming for more than one method. The method and suitable parameters can be optimized for a specific analysis.

APPLIED POTENTIAL

-1 V to +1 V (resolution 3 mV)

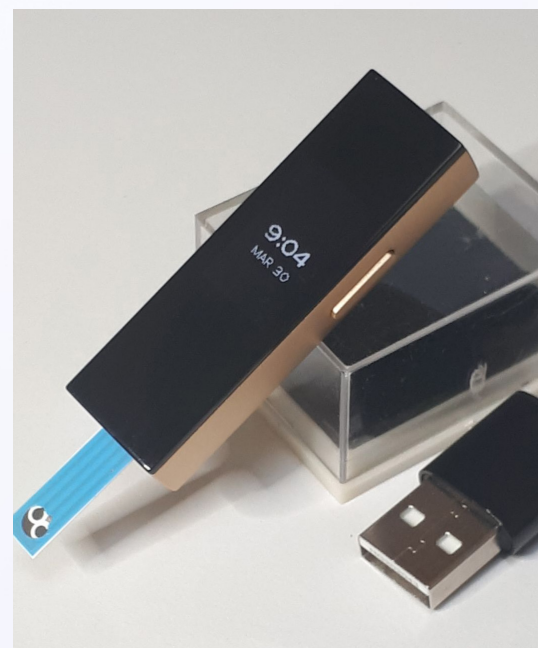
COMPLIANCE VOLTAGE

-1 V to +1 V

Applied potential and compliance voltage range can be further modified depending on the final requirements. Please contact us for more information.

ELECTRODE COMPATIBILITY

Compatible with standard three-electrode screen-printed electrodes with 2.54 mm connector pitches and thicknesses ranging from 0.175 mm to 1 mm. This includes common electrodes from several brands, including OG Carbon, ItalSens, DropSens, Zimmer & Peacock, JE Solutions, and others.



CURRENT RANGES

- + **MAXIMUM** + 1000 μ A
- + **MINIMUM** - 1000 μ A
(resolution: 500 pA)

It can be factory set between +/-1 μ A and +/- 1000 μ A.

DIMENSIONS

50 mm x 16 mm x 9 mm

WEIGHT

11 g

POWER SUPPLY

Internal LiPo battery
Weighs ~0.6 g with 30 mAh capacity

COMMUNICATION

Bluetooth

CONFIGURABLE

Data processing algorithms can be loaded onto the device.



ADDITIONAL FEATURES

- OLED Display
- Compatible with iOS and Android