

## USB POTENTIOSTAT GALVANO PLOT

Type: Galvanoplot.C\*

### Description

USB Potentiostat Galvanoplot is a super small, low-cost and affordable device suitable for dedicated volume applications, which is optimized for screen-printed sensor and biosensor applications. It can be used in many other research areas and with other electrochemical sensors, for corrosion measurement, battery and super-capacitors or fuel cells.

It is capable of performing all common Amperometric and Voltammetric electrochemistry protocols (CA, LSV, CV, DPV, NPV, SVW, GAL) and can be used with three electrode (WE/RE/CE) and two electrode (WE/RE-CE) setups. Plug the device directly into an Android mobile device through OTG port for a true on-site analysis experience. It is possible to choose from two types of interfaces allowing direct insertion of the BVT SPE sensors or the use of 3 classical electrodes with 2 mm banana plugs (WE, RE, CE).



GALVANO PLOT.C2



GALVANO PLOT.C1  
with AC1. sensor

### Physical Parameters

Dimensions: 39x17x8 mm

Weight: 5 g without sensor interface

### Technical Parameters

Voltage scan range:  $\pm 3V$  @1mV resolution

Max current: 2000 nA

Current resolution: 300pA@1KSPS/ 100pA@100SPS/ 30pA/10 SPS resolution

Noise around: 50nA@1KSPS/ 7nA@100SPS/ 400pA/10 SPS

Protocols: CA, LSV, CV, DPV, NPV, SVW, GAL

Cell type: WE/RE/CE and WE/RE-CE

Connectivity: USB-C (Plug the device directly into an Android mobile device through OTG port for a true on-site analysis experience)

### System Parameters

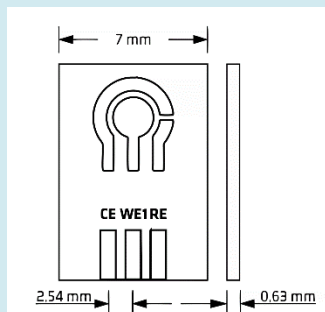
Operating system compatibility: Windows 8, 10+

Advanced analysis - filtering and auto peaks

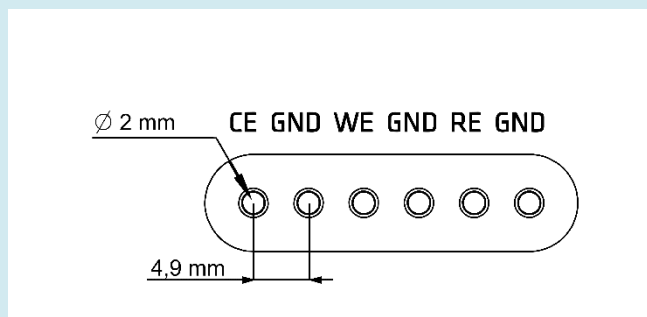
## GALVANOPLOT.C\*

C\* - type of interface for electrodes insertion

C1 - BVT SPE (Dw 1 mm)



C2 - classical electrodes with 2 mm banana plugs x 6



### Recommended Accessories

- STK Customer Kit - set of SPE sensors  
*(recommended diameter of SPE working electrode according to max current 2000 nA is 1 mm)*
- ACEc, RCEc
- KA1.C connector
- Stirrer ST1, ST3
- Mini RDE  
*(recommended diameter of RDE working electrode according to max current 2000 nA is 1 mm)*
- STP1.\* Stoppers for Cells

### Device Usage

- Electrochemical measurements
- Measurements with biosensors and electrochemical sensors
- Measurement of biochemical activity of a sample
- Corrosion measurement

### Ordering Information

- The order is specified by the entire product code
- Minimum order quantity - 1 Potentiostat Galvanoplot
- Delivery time for standard Potentiostat Galvanoplot is 4 weeks from the date of order receipt
- Delivery time for non-standard Potentiostat Galvanoplot depends on the final technical specification of the order

### Example of Order

- 1 piece - GALVANOPLLOT.C1
- 1 piece - GALVANOPLLOT.C2

### Example of measurement

Peaks detection after measurement of CV in 0.005 M ferri-ferro in 0.2 M KOH. Potential from -300 to +700 mV. Scan rate 50 mV/s. Used SPE: AC1.W2.RS with Pt working electrode, diameter 1 mm.

