

## TECHNICAL PRODUCT INFORMATION

### Electrochemical instruments

- ▶ high - quality
- ▶ moderate prices
- ▶ excellent precision

#### **Your contact:**

Technical support, services, demo & rental equipment, price information & quotes, consulting:

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Mail: [info@ektechnologies.de](mailto:info@ektechnologies.de)

Web: [www.ektechnologies.de](http://www.ektechnologies.de)

Shop: [www.lxinstruments.com/shop/elektrochemie/](http://www.lxinstruments.com/shop/elektrochemie/)

# OGS080

**P**otentiostat   **G**alvanostat   **I**mpedancemeter  
**17.5V**   **100mA**   **USB**



**Complete**  
**Compact**  
**Transportable**

**Included:**  
**Rotating Electrode**  
**Speed Controller**

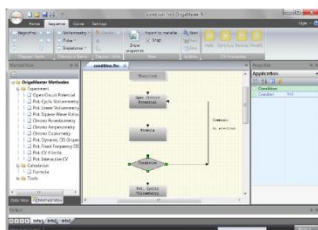
**Delivered:**  
**With PC software**  
**OrigaMaster**

**Optional:**  
**Magnetic Stirrer**

**Lighted and**  
**Removable Cell**

**Beaker Holder**  
**Height Adjustable**

**Research**  
**Corrosion**  
**Cells & Batteries**  
**Low Currents**  
**Education**  
**Coating / Plating**



ElectroChem  
**Orignalys**

## INPUTS / OUTPUTS

### Front panel

**POWER:** 6-pin mini DIN, motor servo-controlling (rotating electrode stirrers...)

**WORK:** BNC, working electrode

**REF:** BNC, reference electrode

**SENSE:** (Ref2): BNC, 4-pole measurement cell or second reference electrode

**AUX:** BNC, auxiliary electrode

**GND:** banana  $\varnothing$ 4 mm protected ground, Faraday cage

### Rear panel

**COM1:** RS232C

**USB 2.0:** USB-B, for connection to a PC



## SPECIFICATIONS

### General specifications:

Auxiliary voltage:  $\pm 17.5$  V

Maximum current:  $\pm 100$  mA

Applied voltage:  $\pm 5$  V

### Current measurement:

9 ranges from 1 nA to 100 mA

Best resolution 30 fA

Autoranging configurable

### Scanning performances:

Acquisition speed 1M sampling / second

### Ohmic drop compensation:

"Feed-back" manual or automatic

### Electrochemical impedance (EIS):

100  $\mu$ Hz to 1 KHz

20 frequencies / decade

Applied potential step resolution 200  $\mu$ V for 1 V

Acquisition time > 100 $\mu$ s

### Power supply:

90 to 264 Vac – 47 to 63 Hz – 30 VA

Or 24 V battery

Or 12 V battery using a converter

### Dimensions:

Width:

13.5 cm (folded up feet)

24.7 cm (unfolded feet)

Depth: 32.6 cm

Height: 41.8 cm

Weight: 5.5 kg

### EC marking:

Compliance with the following regulations:  
EMC 2004/108/EC according to the standards N61326-1,  
2011/65/EC – (RoHS 2)

### Environmental conditions:

Working temperature: 5 to 40°C

Relative humidity: 20 to 80 %

### Accessories:

OrigaLys ElectroChem is capable to provide a whole range of electrodes, corrosion cells and accessories: please consult us or visit our website.

### MORE INFO:

[www.origalys.com](http://www.origalys.com)

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Accredited Dealer

OrigaLys ElectroChem

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