

TECHNICAL PRODUCT INFORMATION

Electrochemical instruments

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

Your contact:

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

Tel.: +49(0)7032 / 895 93-2

Mail: info@ektechnologies.de

Web: www.ektechnologies.de

Shop: www.lxinstruments.com/shop/elektrochemie/

OGS200

Potentiostat **G**alvanostat **I**mpedancemeter
35 V **2 A** **USB**



Complete
Compact
Transportable

Included:
Rotating Electrode
Speed Controller

2 pH measurements
inputs

Analog I/O: Ultra
Low Current and
Booster (I/V)

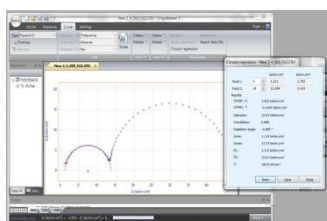
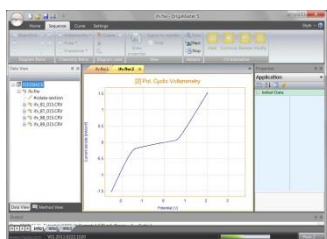
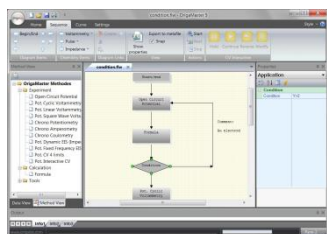
Delivered:
With PC software
OrigaMaster
Without License

Optional:
Magnetic Stirrer

Lighted and
Removable Cell

Beaker Holder
Height Adjustable

Research
Corrosion
Cells & Batteries
Coating / Plating
Archeology
Education



Electrochem
OrigaLys

INPUTS / OUTPUTS

Front panel

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

WORK: PL259 (UHF), working electrode

REF: BNC, reference electrode

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

AUX: PL259 (UHF), auxiliary electrode

°C: RCA, temperature measurement

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

E1/E2: BNC, pH measurement

Rear panel

Analog I/O: 8-pin DIN, for connection of Ultra Low Current Probe and Booster (current / voltage)

COM1: RS232C

COM2/3: RS232C, 2 serial ports (configurable as logical I/Os) for external devices control.

SPECIFICATIONS

General specifications

Auxiliary voltage: ± 35 V

Maximum current: ± 2 A

Applied voltage: ± 15 V

Current measurement:

9 ranges from 20 nA to 2 A

Best resolution 600 fA

Auto ranging configurable

Acquisition speed:

1 Million Samples / second

Scanning performances:

Acquisition times ≥ 100 μ s

Ohmic drop compensation:

"Feed-back" manual or automatic

Electrochemical impedance (EIS):

100 μ Hz to 1 KHz

100 μ Hz to 5 MHz with OGF FRA Unit

20 frequencies / decade

Applied potential step resolution 200 μ V for 1 V

Power supply:

90 to 264 Vac – 47 to 63 Hz – 120 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: 40 cm

Height: 41.8 cm

Weight: 8 kg

EC marking:

Compliance with the following regulations: EMC 2004/108/EC according to the standards N61326-1 and 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.

OGS200 can be connected to:

OrigalyM μ



1pA Range with
30aA resolution

OrigalyBookKst



From **20 V / 5 A**
To **20 V / 20 A**

OGFEIS



FRA Unit
Impedance
100 μ Hz – 5 MHz

OrigalyS ElectroChem



MORE INFO:

www.origalys.com

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