

TECHNICAL PRODUCT INFORMATION

Electrochemical test & measurement 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: <https://www.lxinstruments.com/shop/elektrochemie/>

The OrigaStat range

Built-in solution - All in ONE



OGS080
±100 mA



OGS100
±100 mA

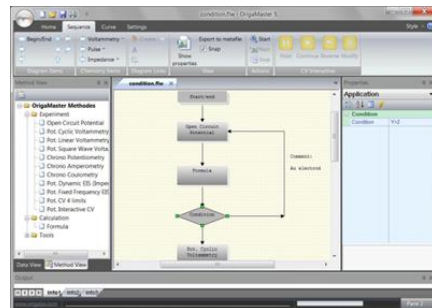
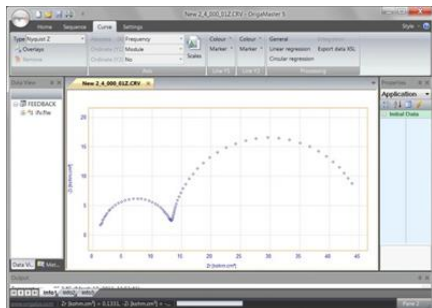


OGS200
±2 A

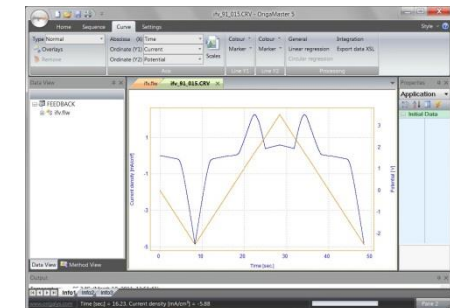
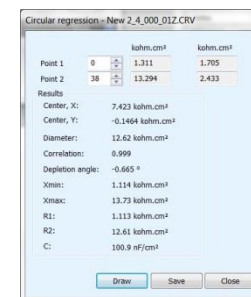
Included

Potentiostat – Galvanostat – Impedancemeter (100 μ Hz – 1 KHz)
Speed Controller for Rotating Disc Electrode and Magnetic Stirrer
pH-meter (except for OGS080) – Temperature probe (except for OGS080)

Included: PC Software OrigaMaster



- Voltagmetry
 - mV/pH
 - Batteries
 - Ocp, CA, CP...
 - Corrosion
- Open Circuit Potential
Chrono Amperometry
Chrono Potentiometry
Chrono Coulometry
Interactive Potentiometry
Single Chrono Amp.



Specifications overview	OrigaStat		
	OGS080	OGS100	OGS200
Potentiostat	yes		
Galvanostat	yes		
Maximum current	±100 mA		±2 A
Compliance voltage	±17.5 V		±35 V
Max potential applied	±5 V		±15 V
Potential resolution	30 nV		91 nV
Potential accuracy	< 0.1% FSR (Full Scale Range)		
Voltage range	±5 V	±15 V	
Maximum scan rate	200 V/s		
Current ranges	9	9 (14 with low current option)	
with standard board	1 nA to 100 mA		20 nA to 2 A
with low current option	Not available	1 pA to 10 nA	
Current accuracy	< 0.1% FSR		
Current resolution	0.003 % FSR		
Potentiostat rise/fall time	< 2 μs		
Input Impedance	> 1 TΩ (//20 pF)		> 10 GΩ (//20 pF)
Interfaces	USB 2.0		
Acquisition time	> 100 μs		
IR compensation Manual	Non, 4 poles measurements capability		
Electrodes connections	2, 3, 4		
A/D converter	16 bits		
EIS capability	100 μHz to 1 KHz. Up to 5 MHz if connected to the OGF FRA unit		
Analog I/O	6		
External current booster	From 5 A to 20 A		
Floating option	No, versatile connectivity		
Filters	1 μs to 1 s, analog		
Dimensions (DxWxH)	326 x 135 x 418 mm		400 x 135 x 418 mm
Dimensions (unfolded feet)	326 x 247 x 418 mm		400 x 247 x 418 mm
Power requirements	90-264 Vac, 47-63 Hz, 30 VA		90-264 Vac, 47-63 Hz, 120 VA
Weight (chassis + pstats)	5.5 kg		8 kg
Software	OrigaMaster (by USB 2.0)		
Cell cable length	On demand		
Temperature control	Not available	-10°C to 105°C	

Subject to change without notice

MORE INFORMATIONS ON

www.origalys.com and 



OrigaLys ElectroChem SAS

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