

Potentiostat – Galvanostat ± 5 nA to ± 500 mA / ± 15 V / ± 20 V



To supply the system, there are two possibilities, depending on your needs...

OGFDRV – DRIVE UNIT – MULTI-CHANNEL CONFIGURATION



✓ Power supply

Control of channels

✓ Built-in dummy cell



How it works



Use an "**OGFDRV - Drive Unit**", from one channel and to extend it in the future. For instance: 5 channels 500 mA (OGF500) + One EIS module

OGFPWR – POWER SUPPLY – FOR SINGLE-CHANNEL



OGF500



The OGF500 combines compactness, performance and accurate price. It is a 500 mA potentiostat/galvanostat which can be complemented by one Impedance module OGFEIS.

His handle allows you to carry it easily and everywhere.

Connected to a Drive Unit OGFDRV, it becomes a Multi-Channel system.

Built-in modularity:

- 1. Standalone Potentiostat & Galvanostat
- 2. Temperature measurement
- 3. Battery Holder Connector
- 4. Analog I/O to connect external devices
- 5. USB control

Main Technical Specifications

Electrode connections	2, 3 and 4
Max applied potential	±15 V
Compliance voltage	±20 V
Maximum current	±500 mA
Current ranges	±5 nA to ±500 mA in 9 decades
Potential accuracy	< 0.1 % FSR (Full Scale Range)
Potential resolution	450 μV on ±15 V
Current accuracy	< 0.1 % FSR
Current resolution	0.003 % FSR (Best: 150 fA)
Input impedance	1 TΩ (//20 pF)
Potential bandwidth	1 MHz
Computer interface	USB 2.0
Software	OrigaMaster

Optional items



OrigaMaster's Methods

VOLTAMMETRY

VOLI	AMMETRY
Pot. Cyclic Voltammetry (CV)	✓
Pot. Advanced Cyclic Voltammetry	✓
Gal. Cyclic Voltammetry	✓
Pot. Linear Voltammetry	✓
Pot. CV 4 limits	✓
Pot. Interactive CV	×
Staircase Voltammetry (SCV)	✓
CHRONO	
Open Circuit Potential (OCP)	\checkmark
Chrono Amperometry (CA)	\checkmark
Chrono Amperometry expert	✓
Chrono Coulometry (CC)	✓
Chrono Potentiometry (CP)	✓
Chrono Potentiometry expert	✓
Interactive Potentiometry	×
Single Chrono Amperometry	✓
IMPEDANCE (with the OGFEIS module)	
Pot. Dynamic EIS	✓
Pot. Fixed Frequency EIS (Capacitance)	✓
Pot. Fixed Frequency EIS vs Time (HFR)	✓
Gal. Dynamic EIS	✓
CORROSION	
Pitting corrosion	√
General corrosion (Rp)	✓
Coupled corrosion (Evans)	✓
Polarization for corrosion (Tafel)	✓
Zero Resistance Ammeter (ZRA)	×
PULSE	
Pot. Differential Pulse (DPV)	✓
Gal. Recurrent Differential Pulse	✓
Pot. SW Voltammetry (SWV)	✓
Potentiometric Stripping Analysis (PSA)	×
BATTERIES and SUPER CAPACITORS	
Single Charge or DisCharge	
Gal. Charge and DisCharge Cycle	✓
Expert Charge and Discharge Cycle	✓ ✓
PITT	 ✓
GITT	✓ ✓
Constant Power	✓ ✓
Profile Generator	✓ ✓
Internal Resistance	✓ ✓

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Country Representative

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