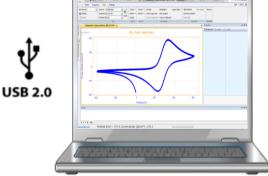
OGFO5A

Potentiostat – Galvanostat – Battery test system $\pm 50~\mu A$ to $\pm 5~A~/~\pm 15~V~/~\pm 20~V$



POTENTIOSTAT
GALVANOSTAT
T°C PROBE
BATTERY HOLDER

OrigaMarter 5



Licence free software
Windows XP, Vista, 7, 8 and 10.
EASY TO USE





How it works

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





For instance:

5 channels 500 mA (OGF500) One EIS module

Use an "OGFDRV - Drive Unit", from one channel and to extend it in the future.

OGFPWR - POWER SUPPLY - FOR SINGLE-CHANNEL



- ✓ Power supply
- √ For only one channel
- ✓ And one OGFEIS









Consult our different Pack OGF:



OGF500



OGF01A



Pack OGF05A



OGF10A

For instance:

One channel 500 mA One EIS module

or

One channel 500 mA Pack OGF500

OGFO5A



The OGF05A combines compactness, performance and accurate price. It is a 5 A 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	±5 A
Current ranges	±50 μA to ±5 A in 6 decades
Potential accuracy	< 0.1 % FSR (Full Scale Range)
Potential resolution	0.003 %
Current accuracy	< 0.1 % FSR
Current resolution	0.003 % FSR (Best: 1,5 nA)
Input impedance	1 TΩ (//20 pF)
Potential bandwidth	100 KHz
Computer interface	USB 2.0
Software	OrigaMaster

Optional items



VOLTAMMETRY Pot. Cyclic Voltammetry (CV) Pot. Advanced Cyclic Voltammetry Gal. Cyclic Voltammetry Pot. Linear Voltammetry Pot. Linear Voltammetry Pot. Interactive CV Staircase Voltammetry (SCV) CHRONO Open Circuit Potential (OCP) Chrono Amperometry (CA) Chrono Amperometry (CA) Chrono Amperometry (CC) Chrono Potentiometry (CP) Chrono Potentiometry Expert Interactive Potentiometry Single Chrono Amperometry IMPEDANCE Pot. Dynamic EIS Pot. Fixed Frequency EIS (Capacitance) Gal. Dynamic EIS CORROSION Pitting corrosion (Rp) Coupled corrosion (Evans) Polarization for corrosion (Tafel) Zero Resistance Ammeter (ZRA) Pul.SE Pot. SW Voltammetry (SWV) Potentiometry (SWV) Potentiometric Stripping Analysis (PSA) BATTERIES and SUPER CAPACITORS Single Charge and DisCharge Cycle Expert Charge and DisCharge Cycle	OrigaMaster's Methods	
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Chrono Potentiometry (CP) Chrono Potentiometry Expert Interactive Potentiometry Single Chrono Amperometry IMPEDANCE Pot. Dynamic EIS Pot. Fixed Frequency EIS (Capacitance) 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	Chrono Amperometry Expert	✓
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Interactive Potentiometry Single Chrono Amperometry IMPEDANCE Pot. Dynamic EIS Pot. Fixed Frequency EIS (Capacitance) 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) Single Charge or DisCharge Gal. Charge and DisCharge Cycle Expert Charge and DisCharge Cycle	Chrono Potentiometry (CP)	✓
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IMPEDANCE Pot. Dynamic EIS Pot. Fixed Frequency EIS (Capacitance) Gal. Dynamic EIS CORROSION Pitting corrosion General corrosion (Rp) Coupled corrosion (Evans) Polarization for corrosion (Tafel) Zero Resistance Ammeter (ZRA) * * ** ** ** ** ** ** ** **	Interactive Potentiometry	✓
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Pot. Fixed Frequency EIS (Capacitance) 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		
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CORROSION Pitting corrosion		✓
General corrosion (Rp) Coupled corrosion (Evans) Polarization for corrosion (Tafel) Zero Resistance Ammeter (ZRA) * ** ** ** ** ** ** ** ** *		
Coupled corrosion (Rp) 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	Pitting corrosion	✓
Polarization for corrosion (Tafel) Zero Resistance Ammeter (ZRA) * ** ** ** ** ** ** ** ** *	General corrosion (Rp)	✓
Polarization for corrosion (Tafel) Zero Resistance Ammeter (ZRA) * ** ** ** ** ** ** ** ** *	Coupled corrosion (Evans)	✓
PULSE Pot. Differential Pulse (DPV) Gal. Recurrent Differential Pulse Pot. SW Voltammetry (SWV) Potentiometric Stripping Analysis (PSA) ** ** ** ** ** ** ** ** **		✓
Pot. Differential Pulse (DPV) Gal. Recurrent Differential Pulse Pot. SW Voltammetry (SWV) Potentiometric Stripping Analysis (PSA) ** ** ** ** ** ** ** ** **	Zero Resistance Ammeter (ZRA)	×
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		
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Potentiometric Stripping Analysis (PSA) BATTERIES and SUPER CAPACITORS Single Charge or DisCharge Gal. Charge and DisCharge Cycle Expert Charge and DisCharge Cycle	Gal. Recurrent Differential Pulse	✓
Potentiometric Stripping Analysis (PSA) BATTERIES and SUPER CAPACITORS Single Charge or DisCharge Gal. Charge and DisCharge Cycle Expert Charge and DisCharge Cycle	Pot. SW Voltammetry (SWV)	✓
BATTERIES and SUPER CAPACITORS Single Charge or DisCharge Gal. Charge and DisCharge Cycle Expert Charge and DisCharge Cycle		×
Gal. Charge and DisCharge Cycle Expert Charge and DisCharge Cycle ✓		
Expert Charge and DisCharge Cycle ✓	Single Charge or DisCharge	✓
Expert Charge and DisCharge Cycle ✓		✓
		✓
		✓
GITT	GITT	✓
Constant Power	Constant Power	✓
Profile Generator		✓
Internal Resistance		✓

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Country Representative

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