



MINI-POTENTIOSTATS

OGS050 / OGS055 / OGS060
Electrochemistry accessible to all!

www.originalys.com



Our expertise

Specialist in electrochemical analysis and measurement devices.

Designing, manufacturing & selling of analytical instruments in Electrochemistry.

Potentiostats / Galvanostats / Impedance meters

Conductivity meters / pH-meters

Electrochemical multiplexer

Electrode range : REF / AUX / WORK...

Cell range

Complete range of accessories



French quality and international presence



Customers
worldwide



Products designed and
manufactured in France



5-year warranty



International
distributors



90% of our components
are designed in the
Auvergne Rhône-Alpes
region.

Over 75 years of experience in electrochemistry

1946

Tacussel



1988

Radiometer



2010

OrigalyS



Our values

Caring about people

Participative management / Team-building / Trust / Solidarity / Evolution



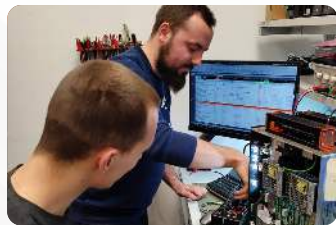
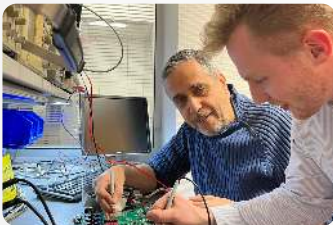
Innovate sustainably & differently

Initiative - Eco conception - Repairability - Sustainability - Performance



Share & transmit

Experiences - Preserve our know-how - Transmit - Train



Portable mini-potentiostat: OGS050



OCP - Potentiostat - Galvanostat

Ideal for teaching

Affordable quality

Easy to transport

Easy to use



Article reference	AR02406
Selection	Manual
Mode	OCP - Potentiostat - Galvanostat
Connection	3 electrodes (3xbanana 4mm)
Measurement ranges	$\pm 2V$ & $\pm 50mA$ / $\pm 5mA$ / $\pm 500\mu A$
Power supply included	Yes
Rotating electrode compatibility Lt	Yes with analog setpoint



Compact, lightweight design: easy to transport and install in small workspaces.

OLED display: Quick, clear reading of selected parameters and measurement results.

Manual selection: Manual control of voltage, current and measurement modes.

Easy to use: Clear interface, simple controls to understand the fundamental concepts of electrochemistry.

Examples of accessories OGJ050

Origacess Cables & Connectors	 Male banana ø4mm	AR01206 (1m) B	 S7
	 Male banana ø4mm	AR01204 (1m) B AR00550 (1m) R	 Male banana ø4mm
Origasens Electrodes		Origatrod lt AR02633CIAL	 StoTrod AR00567CIAL
OrigaTip Sensors	 Gold ø2 AR01994CIAL	 Platinum ø2 AR02018CIAL	
Origacess Polishing kit	 AR01647CIAL Take reliable, accurate measurements with our tip polishing kit. • Steel polishing stand • 5 P1200 polishing discs • 5 P600 polishing discs • 5 satin polishing discs • 5 felt polishing discs • 3 bottles of alumina (1 x 2-3 µm + 1 x 1 µm + 1 x 0.3µm)		
OrigaTest External dummy cell	 AR00792 OrigaTest is an external dummy cell that can be easily transported. • Linear voltammetry (LIN) • Cyclic Voltammetry (CV) • Impedance (EIS), double loop • Auxiliary (AUX) • Reference (REF) • Working (WRK) • 2 or 3 electrodes		

Portable mini-potentiostat: OGJ055



OCP - Potentiostat - Galvanostat

Ideal for :

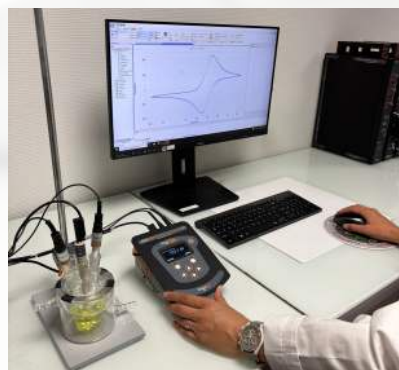
- Teaching
- (In)organic chemistry
- Corrosion



Article reference	AR02407
Selection	Manual & automatic via OM5 software
Mode	OCP - Potentiostat - Galvanostat
Connection	3 electrodes (3 x 4mm bananas)
Measurement ranges	$\pm 2V$ & $\pm 50mA$ / $\pm 5mA$ / $\pm 500\mu A$
Power supply included	Yes
Software included	Yes
Rotating electrode compatibility Lt	Yes with analog setpoint
Ohmic drop compensation	Yes
Measurement of counter electrode potential	Yes

Methods OGJ055

- OCP (Open Circuit Potential) method
- Chronoamperometry
- Linear and cyclic voltammetry
- Corrosion: Evans
- Internal resistance



Examples of accessories OGJ055

Origacess Cables & Connectors	 Male banana ø4mm	AR01206 (1m) B	 S7
	 Male banana ø4mm	AR01204 (1m) B AR00550 (1m) R	 Male banana ø4mm
Origasens Electrodes	 Origatrod lt AR02633CIAL	 Stetrod AR00567CIAL	
OrigaTip Sensors	 Gold ø2 AR01994CIAL	 Platinum ø2 AR02018CIAL	
Origacess Polishing kit	 AR01647CIAL Take reliable, accurate measurements with our tip polishing kit . • Steel polishing stand • 5 P1200 polishing discs • 5 P600 polishing discs • 5 satin polishing discs • 5 felt polishing discs • 3 bottles of alumina (1 x 2-3 µm + 1 x 1 µm + 1 x 0.3µm)		
OrigaTest External dummy cell	 AR00792 Origa Test is an external dummy cell that can be easily transported. • Linear voltammetry (LIN) • Cyclic Voltammetry (CV) • Impedance (EIS), double loop • Auxiliary (AUX) • Reference (REF) • Working (WRK) • 2 or 3 electrodes		

Portable mini-potentiostat: OGS060



OCP - Potentiostat - Galvanostat

ideal for :

- **Sensors**
- **Batteries**
- **Photovoltaics**



Article reference	AR02408
Selection	Manual & automatic via OM5 software
Mode	OCP - Potentiostat - Galvanostat
Connection	3 electrodes + 'sense', temperature (Phoenix terminal block, RCA)
Measurement ranges	$\pm 2V$ / $\pm 50mA$ / $\pm 5mA$ / $\pm 500\mu A$
Power supply included	Yes
Software included	Yes
Rotating electrode compatibility Lt	Yes with analog setpoint
Ohmic drop compensation	Yes
Compatibility analysis AA / AAA / SuperCap batteries	Yes
SPE substrate compatibility (screen-printed electrodes)	Yes
Measurement of counter electrode potential	Yes

Methods OGS060

- **Chronoamperometry**
- **Corrosion: Evans**
- **OCP (Open Circuit Potential) method**
- **Linear and cyclic voltametry**
- **Internal resistance**
- **IV Characterisation**
- **Batteries / SuperCap**



Examples of accessories OG/O60

Origaccess	Cables & Connectors  AR02093CIAL (1,5 m)	Supports  AR02156 AAA (LR03) AR02157 AA (LR06) AR02162 Super Cap  AR02639 SPE
Origasens Electrodes	 Origatrod lt AR02633CIAL	 stnTrod AR00567CIAL  T°C sensor AR00427CIAL
Origatip Sensors	 Gold ø2 AR01994CIAL	 Platinum ø2 AR02018CIAL
Origaccess Polishing kit	 Take reliable, accurate measurements with our tip polishing kit. • Steel polishing stand • 5 P1200 polishing discs • 5 P600 polishing discs • 5 satin polishing discs • 5 felt polishing discs • 3 bottles of alumina (1 x 2-3 µm + 1 x 1 µm + 1 x 0.3µm) AR01647CIAL	
Origatest External dummy cell	 AR00792 Origatest is an external dummy cell that can be easily transported. • Linear voltametry (LIN) • Cyclic Voltammetry (CV) • Impedance (EIS), double loop • Auxiliary (AUX) • Reference (REF) • Working (WRK) • 2 or 3 electrodes	

Detailed technical specifications

	Mini-potentiostats OrigaStat range		
	OGS050	OGS055	OGS060
Operating mode	OCP - Potentiostat - Galvanostat		
Impedancemeter	No		
Maximum current	±50 mA		
Output voltage	±5 V		
Maximum potential applied	±2 V		
Potential resolution	0.05% (1mV)	0.003 % (62 µV)	
Accuracy of potential	< 0.1% FSR (Full Scale Range)		
Potential range	±2 V		
Scanning speed	20 V/s		
Current ranges	3 ranges (±500µA ; ±5mA ; ±50mA)		
Low current sensor option	Not available		
Current accuracy	< 0.1% FSR		
Current resolution / best resol.	0.02% / 100 nA	0.0035% / 17,5 nA	
Response time	< 5 µs		
Input impedance	> 1 TΩ (typ.)		
Interfaces	Not available	USB 2.0	
Acquisition rate	Not concerned	> 1 ms	
Ohmic drop compensation	Not available	Static, manual and automatic	
Electrode connections	3 electrodes		3 + "sense"
Temperature measurement	Not available		Yes: -10 ... +105 °C
D -> A / A -> D converters	16 bits		
Analog outputs	Yes		
External current booster	Not available		
Floating mode	Yes		
Filters	Analog: 10µs; 100µs; 1ms; 10ms		
Rotating electrode connection (RDE)	Yes (OrigaTrod Lt: AR02633CIAL)		
IHM	OLED graphic display with integrated keypad		
Power supply	12 VDC (1 A) via mains adapter or via the USB 2.0 socket		
Dimensions (P x L x H)	80 x 140 x 180 mm		
Weight	850 g		
Software	OrigaMaster (USB 2.0)		

Subject to change without notice.
Please contact us for further information.

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Find the list of our distributors on our website.



OGI 055 Potentiostat / Galvanostat

Original Stat
Meter

Menu:
Mode (Pot./Gal.)
ESC
10:33:54
SELECT

AR02697 - 03/02/2025

Originalys ElectroChem SAS

Local distributor



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