



The OrigaStat Range

多功能 / 一体化设计



OGS080

±17.5 V
±100 mA
±5 V

OGS100

±17.5 V
±100 mA
±5 V

OGS200

±35 V
±2 A
±15 V

OrigaCell Kit (选件):

集成电化学池: 包含4个模块



标准功能

恒电位仪 - 恒电流仪

内置 EIS: 10 μ Hz – 1 kHz , 可连接 OGFEIS: up to 5 MHz Speed
可控制 RDE

对于 **OGS100** 和 **OGS200**:

T°C 传感器 - pH计

可扩展连接 **OGFEIS** / **OrigaBooster** / **OrigaMu**

ANALOG

TTL



OGS080

经济型一体化电化学工作站

该恒电位仪、恒流仪、阻抗计是专为教学而设计
测试程序可以预先设置和设定并由塑料盖保护。

易于运输



USB 2.0



- 完整的一体化解决方案：恒电位仪、恒电流仪、内置阻抗（10 μ Hz-1 KHz）、RDE速度控制器和PC软件。
- 电解池和电极支架可以剩下移动或移除。
- 如果需要，还可以添加磁力搅拌器。

详细技术参数请查阅第 20页。

可选件

Origatrod: 旋转圆盘电极 (RDE)

Origaline: 电极，玻璃电极，旋转圆盘电极头，电池测试样品架，电解槽，等。

Origatest: Dummy cell



Origatrod



电极



磁力搅拌器



Dummy cell

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PREPARATORY CLASSES

« Because of the software intuitive programming »

I knew OrigaLys the first time because they fixed the Radiometer's instrument of the Ecole Normale Supérieure (ENS Lyon). After analysing the OrigaLys website www.origalys.com, the OrigaStat OGS080 seemed the most suitable device for our teaching purposes, especially because of the software intuitive programming (flowchart). Indeed, it was one of the most important criteria to select OrigaLys instruments. Its evolutionary capacities, such as battery methods implementation, makes the OrigaStat the perfect instrument for preparatory classes. Thus, we would be able to have great and various methods for teaching.



Lycée du Parc - Lyon, France



USB 2.0

OGS100

可扩展的一体电化学工作站

专门为 **研究** 而设计的恒电流仪、恒电位仪、阻抗仪。

便携设计/易于运输

- 完整的一体化解决方案：恒电位仪、恒电流仪、内置阻抗（10 μ Hz-1 KHz）、RDE速度控制器和PC软件。
- 通过模拟I/O或RS232控制外部设备：RDE、滴定仪、流量泵、大电流模块等。
- 电解池和电极支架可以剩下移动或移除。
- 如果需要，还可以添加磁力搅拌器。

详细参数请查阅第 20 页

选 件

OrigaTrod: 旋转圆盘电极 (RDE)

OrigaBoost: 大电流扩展模块, 从 5 A 到 20 A

OrigaM μ : 微电流模块, 最低到 1 pA

OrigaLine: 电极, 玻璃电极, 旋转圆盘电极头, 电池测试样品架, 电解槽, 等。

OrigaTest: Dummy Cell

OGFEIS: 外置EIS阻抗模块, up to 5 MHz



OrigaTrod



OrigaM μ



OGFEIS



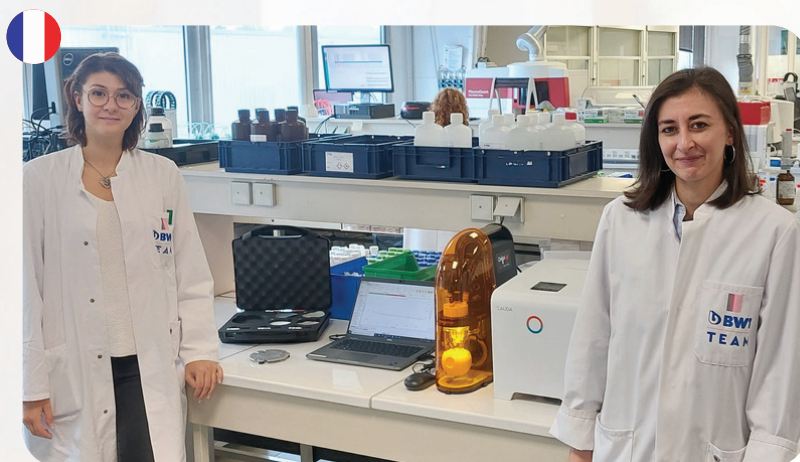
Dummy Cell

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CORROSION PHENOMENA IN THE AQUEOUS PHASE

« We recommend OrigaLys materials and equipment for the study of electrochemical phenomena »

We chose to work with the company OrigaLys for their quality of service, their “Made in France” philosophy and their innovative equipment allowing us to study corrosion phenomena in the aqueous phase in detail. Their OGS100 potentiostat/galvanostat is easy to use and allows us to create new original analysis sequences to help select active ingredients and evaluate dosage ranges. The support service is also exceptionally responsive, responding quickly and efficiently to our questions. We strongly recommend OrigaLys equipment for the study of electrochemical phenomena.



European leader in water treatment - Paris, France



USB 2.0

OGS200

一体设计, 小巧、完整、功能强大的仪器

该恒电位仪、恒流器、阻抗
该仪表是专门为工业应用设计

便携设计/易于运输

- 完整的一体化解决方案：恒电位仪、恒电流仪、内置阻抗（10 μ Hz-1 KHz）、RDE速度控制器和PC软件。
- 通过模拟I/O或RS232控制外部设备：RDE、滴定仪、流量泵、大电流模块等。
- 电解池和电极支架可以剩下移动或移除。
- 如果需要，可以连接磁力搅拌器

详细参数请查阅第 20 页。

选 件

OrigaTrod: 旋转圆盘电极 (RDE)

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OrigaTest: Dummy Cell

OGFEIS: 外置EIS阻抗模块, up to 5 MHz



OrigaTrod



OrigaM μ



OGFEIS



Dummy Cell


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ANTICORROSION COATINGS

« **It brings us a huge capacity to realize measurement on research field** »

We work on the anticorrosion coatings and we need to make measurements on characterizations and on production electrolyte research. By using this potentiostat, we develop the analysis method to anticipate the weak aspect of a process metal deposition. This device can be monitored, thus we can easily control the experiment conditions. It brings us a huge capacity to realize measurement on research field, and mainly on the process itself. The results are very relevant. The instrument is also useful to analyze metals in aqueous solution. It is a good environment advantage.



 aéroprotec
GROUP

Aéroprotec, expert in aeronautic coatings - Pau, France

The Origastat Range

OGS080 - 教学 (PW)



电流: ± 100 mA
电流范围: ± 1 nA to ± 100 mA
电压: ± 5 V
电极连接: 2、3、4电极测试
不含塑料罩



OGS100 - 研究/高校/科研



电流: ± 100 mA
电流范围: ± 1 nA to ± 100 mA
电压: ± 5 V
槽压: ± 17.5 V
电极连接: 2、3、4电极测试
连接和控制外部设备



OGS200 - 表面处理



电流: ± 2 A
电流范围: ± 20 nA to ± 2 A
电压: ± 15 V
槽压: ± 35 V
电极连接: 2、3、4电极测试
连接和控制外部设备



ORIGASTAT主要应用



Surface treatment



Corrosion



Practical work



Sensors



Conservation

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QUANTIFICATION OF CORROSION

« We strongly recommend OrigaLys equipment for the electrochemical measurement of corrosion »

We chose to work with OrigaLys because this company is close to our values with « Made In France » equipment; devices are designed and manufactured in France. Pricing was also a criterion of choice regarding equipment' accuracy, robustness and reliability. In addition, OrigaLys has offered us the services of its engineering office to propose us a custom solution, that perfectly fit our needs. The machines are very easy to use with a "user-friendly" software. Programable methods, graphics and different data export solutions facilitate measurement and result interpretation. The instrument is also useful to analyze metals in aqueous solution. It is a good environment advantage. The technical support of OrigaLys has contributed to the success of internal projects by being pro-active, fast and effective.



BIC - Marne-la-Vallée, France

OrigaBoost

功能强、模块化

OrigaBoost 可以应用以下型号以扩大电流范围：
OrigaStat: **OGS100** and **OGS200**

通过增加**5A**模块，可以很容易地增加测试电流。

因此，可扩展范围：

5 A, 10 A, 15 A, 20 A.



如何工作?

原理将1个 « 驱动单元» 和 5A «扩展模块 » 连接到兼容的OrigaLys 恒电位仪。

«驱动单元»取代了与之相连的OrigaLys恒电位仪的正面。因此，电极连接到“驱动单元”。



技术参数

电极连接	2, 3 and 4	精度	< 0.1 % FSR (Full Scale Range)
电压	±15 V	运行方式	恒电位仪 / 恒电流仪
槽压	±20 V	带宽: • 恒电流仪 • 恒电位仪	50 KHz
可扩展电流范围	±5 A / ±10 A ±15 A / ±20 A	PC 软件	OrigaMaster
分辨率	0.003%	适用型号	OGS100 OGS200 OGFEIS



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CHOHAO
technology

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