



# Origalyne Catalog

**Origalyne ElectroChem SAS**  
Made in know-How

**Accessories for electrochemical  
analytical systems**

**Origalyne**



# The Company



## Electrochem **Originalys** 11 YEAR ANNIVERSARY

Legacy from  
**Tacussel**  
&  
**Radiometer**  
**Analytical**



**EXPERT in**  
*ELECTROCHEMISTRY, RDE  
& pH-METERS*



**1** **ICONIC PRODUCT**  
REPRESENTING THE BRAND  
FOR **11** YEARS

**BEST  
SELLERS**

THE "COFFEE MACHINE" 😄 IS A  
WELL-KNOWN SYMBOL OF ORIGINALYS



**5** YEAR  
WARRANTY

**MADE IN FRANCE**



**La Région**   
Auvergne-Rhône-Alpes

**1** **TEAM**  
**OF SPECIALISTS**

DEDICATED TO HELP YOU BY  
Phone  
Live chat  
Emails  
Remote support

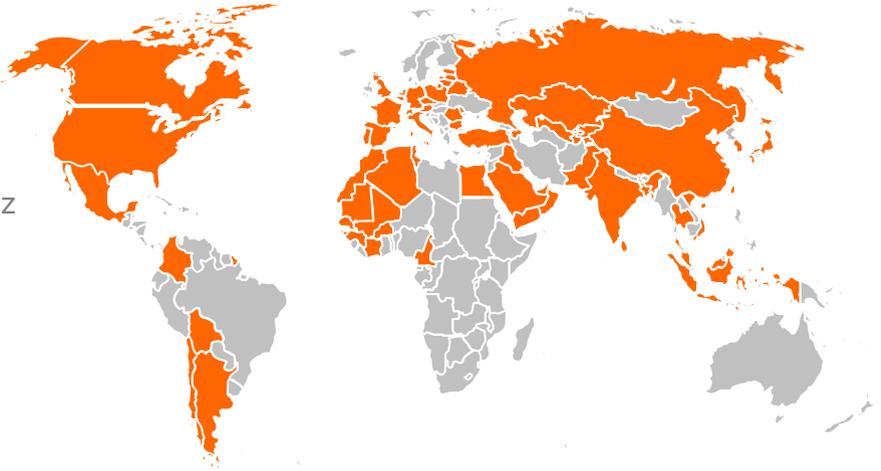




Cedric Martinez



Maxime Valay



## Distributors

### Cedric Martinez

Area Sales Manager

[cedric.martinez@origalys.com](mailto:cedric.martinez@origalys.com)

Tel: +33 (0) 6 51 65 97 31

### Maxime Valay

Benelux, Germany and the UK

[maxime.valay@origalys.com](mailto:maxime.valay@origalys.com)

Tel: +33 (0) 7 82 88 97 90

### Headquarters:

Les Verchères 2

1<sup>er</sup> étage

62A, avenue de l'Europe

69140 Rillieux-la-Pape

FRANCE

**Tel:** +33 9 54 17 56 03

**Fax:** +33 9 59 17 56 03

**Email:** [contact@origalys.com](mailto:contact@origalys.com)

**Web site:** [www.origalys.com](http://www.origalys.com)

**Europe (16):** Austria, Belarus, Bulgaria, Czech Republic, Estonia, Germany, Italy, Latvia, Lithuania, Moldava, Poland, Portugal, Romania, Russia, Spain and The United Kingdom.

**Africa (13):** Algeria, Burkina Faso, Cameroon, Côte d'Ivoire, Egypt, Gambia, Guinea, Guinea-Bissau, Mali, Mauritania, Morocco, Senegal and Tunisia.

**Asia (27):** Armenia, Azerbaijan, Bahrain, Bangladesh, China, India, Indonesia, Iraq, Japan, Kazakhstan, Kuwait, Kyrgyzstan, Malaysia, Oman, Pakistan, Qatar, South Korea, Sri Lanka, Taiwan, Tajikistan, Thaïlande, the Kingdom of Saudi Arabia, Turkey, the UAE, Uzbekistan, Vietnam and Yemen.

**America (7):** Argentina, Bolivia, Canada, Chile, Colombia, Mexico and the USA.

**We are looking for distributors.  
Please, contact us directly**

# Network in France

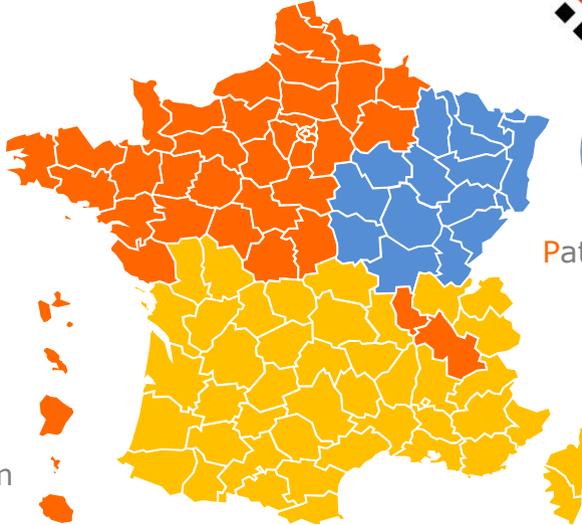
Gecor d'hem  
**Orignalys**



Maxime Valay



Mohamed Kadem



 **DEXIS**  
BFC



Patrick Balland

Gecor d'hem  
**Orignalys**

 **DEXIS**  
BFC

**Maxime Valay**

North area

[maxime.valay@origalys.com](mailto:maxime.valay@origalys.com)

Tel: +33 (0) 7 82 88 97 90

**Mohamed Kadem**

South area

[mohamed.kadem@origalys.com](mailto:mohamed.kadem@origalys.com)

Tel: +33 (0) 7 66 50 31 78

**Headquarters:**

Les Verchères 2

1<sup>er</sup> étage

62A, avenue de l'Europe

69140 Rillieux-la-Pape

FRANCE

**Tel:** +33 9 54 17 56 03

**Fax:** +33 9 59 17 56 03

**Email:** [contact@origalys.com](mailto:contact@origalys.com)

**Web site:** [www.origalys.com](http://www.origalys.com)

**Patrick Balland**

Grand Est area

[ctb-choffel@dexis.eu](mailto:ctb-choffel@dexis.eu)

Tel: +33 (0) 3 29 62 40 70

**Headquarters:**

29, rang de Veseaux

Moulin Saint-Nabord

88200 Remiremont

FRANCE

**Tel:** +33 3 29 62 40 70

**Fax:** +33 3 29 23 10 38

**Email:** [ctb-choffel@dexis.eu](mailto:ctb-choffel@dexis.eu)

**Web site:** [www.ctb-choffel.fr](http://www.ctb-choffel.fr)

Check who is your contact in  
France with your Zip Code  
on our web site  
[www.origalys.com](http://www.origalys.com)

## ORIGASENS

### Electrodes

- ✓ Reference Calomel
- ✓ Reference Hg/HgO
- ✓ Reference Ag/AgCl
- ✓ Reference Hg/Hg<sub>2</sub>SO<sub>4</sub>
- ✓ Counter-electrode (AUX)
- ✓ Combined
- ✓ Combined pH
- ✓ Non-combined pH
- ✓ Selective
- ✓ Conductivity cell
- ✓ μ-electrodes
- ✓ Industrial electrodes



## ORIGATIP

### Working electrodes and probes

- ✓ Tips and pellets
- ✓ Sample Holders
- ✓ Static Electrode
- ✓ T°C probe & Salt bridge
- ✓ Cords



## ORIGACELL

- ✓ OrigaCell Kit – For OrigaStat
- ✓ Corrosion Cell – Flat sample
- ✓ Corrosion Cell – Disc sample
- ✓ Corrosion Cell – Cavernous
- ✓ Corrosion Cell – Flow
- ✓ Standard Cells



## OTHER ACCESSORIES

- ✓ OrigaMix – Magnetic stirrer
- ✓ OrigaTest – Dummy Cell
- ✓ Battery Holders for Coin cells
- ✓ Swagelok Cells and its Holders



Electrodes	6
Reference Hg/HgO	7
Reference Calomel	8
Reference Hg/Hg <sub>2</sub> SO <sub>4</sub>	9
Reference Ag/AgCl	10
Counter-Electrode	12
Combined	17
pH	18
Selective	21
Conductivity cell	22
μ-electrode	23
Industrial electrodes	25

StaTroD	26
Sample Holder	27
Pellets-Working Electrodes	28
Tips-Working Electrodes	29
Other probes	30
Cords	31

OrigaCell Kit	32
Corrosion Cell – Flat	33
Corrosion Cell – Disc	34
Corrosion Cell – Cavernous	35
Corrosion Cell – Flow	36
Standard Cells	37

OrigaMix	38
OrigaTest	39
Battery & Coin cell Holders	40
Swagelok Cells	41

Origalys provides any kind of Reference, Auxiliary (Counter-Electrodes), Working and Selective: Calomel, Ag/AgCl, Platinum, Silver, Glassy Carbon, Combined, Fluor, Calcium and Nitrate.

For any more information please contact us.

## OrigaSens - Electrodes

Origalys provides electrodes with a wide range of:

- Reference
- Counter-electrode
- Combined
- Selective
- pH
- $\mu$ -electrode
- And many more on demand

### Standard specifications

- Length: 103 or 120 mm
- Diameter: 6, 8, 10 or 12 mm
- Sleeve (14,5/23) or not
- Screw head
- Porous Pin

## Origaccess - Cords

With its electrodes, Origalys provides a wide range of cords and connectors. The standard one for our electrodes is CLSCH S7/S8 (Screw head).



S7 socket



BNC socket

The cords offered with Origalys' potentiostat are reinforced to obtain better results.

### Electrode Overview

Reference	Hg/HgO, Ag/AgCl, ECS, Hg/Hg <sub>2</sub> SO <sub>4</sub> (ESM), Cu/CuSO <sub>4</sub> ...
Auxiliary and Working	Silver rod $\phi$ 3mm, Platinum disc $\phi$ 10mm, Platinum wire $\phi$ 1mm, Platinum plate 5x5mm
Combined	Platinum ring $\phi$ 8x1.5 + Ag/AgCl
Selective	Fluor, Nitrate, Calcium, Cadmium, Lead, ...
pH	Annular Junction, $\phi$ 12x103mm
Other	Liquid Junction Protection Tube $\phi$ 12: 140 mm, porous pin, NS14/23 sleeve joint

### Cord Overview

Connector	BNC, UHF, Banana $\phi$ 2 or 4mm, DIN, Pin DIN and other on demand
Adaptor	BNC/BNC, BNC/Banana, Banana/double banana, UHF/BNC and so on
Shielded	Standard cords are shielded
Length	Standard: 0.16cm, 0.25cm, 1m and 2m. Any kind of length on demand
Power Cord	FR, UK, US, CH and more on demand
Other	Isolated Alligator clamp Standard Alligator clamp Temperature probe, Crystal tube

# REF. Electrode: Hg/HgO

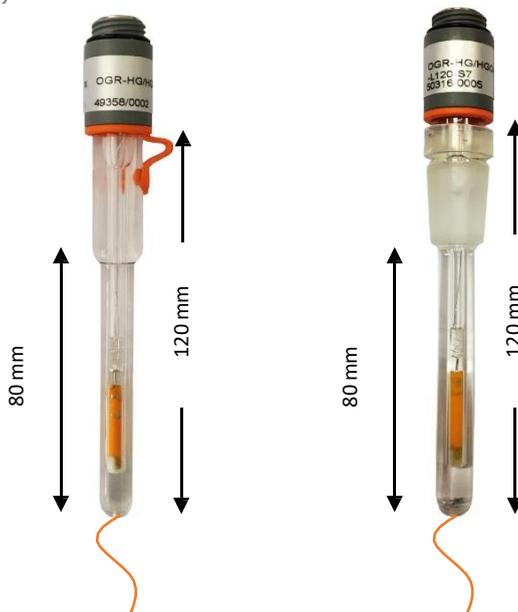
A reference electrode provides a stable potential whatever the measurement conditions. The main differences between reference electrodes are the type of reference system and the liquid junction. OrigaLys offers electrodes using Saturated Calomel SCE (Hg), Silver-Silver Chloride (Ag/AgCl), Mercuric Oxide (Hg/HgO) and Mercury Sulfate MSE (Hg/Hg<sub>2</sub>SO<sub>4</sub>).



S7 Plug



Screw S7 Socket



<b>Product No.</b>	OGR001	OGR002
<b>Reference System</b>	Hg/HgO	Hg/HgO
<b>Type</b>	XR400/E10.OGL.026	XR400/E10.OGL.027
<b>Part No.</b>	OGR-Hg/HgO-Ø8-12-L120-S7	OGR-Hg/HgO-Ø8-12-Rod-L120-S7
<b>Temperature Range</b>	-5 to 50°C	-5 to 50°C
<b>Lower Diameter</b>	8 mm	8 mm
<b>Liquid Junction</b>	Porous Pin	Porous Pin
<b>Salt-Bridge Solution</b>	KOH 0.1M	KOH 0.1M
<b>Connection</b>	Screw Head S7	Screw Head S7
<b>Grinded</b>	No	Yes

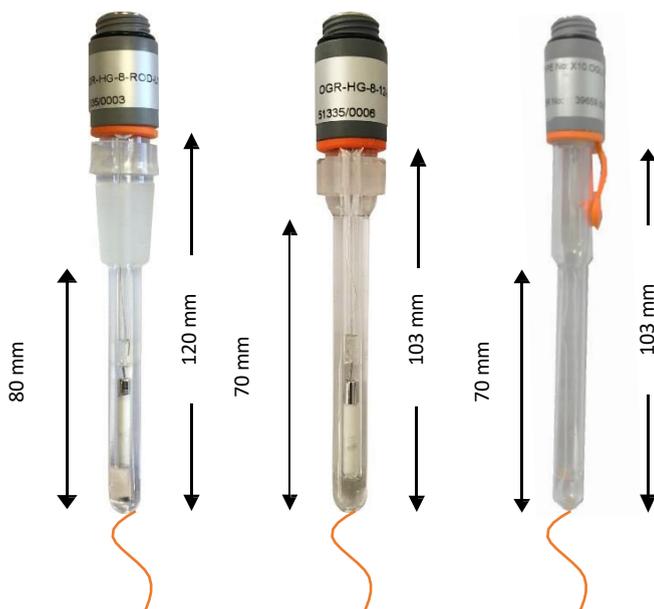
# REF. Electrode: Calomel



S7 Plug



Screw S7 Socket



<b>Product No.</b>	OGR003	OGR004	OGR009
<b>Reference System</b>	Calomel	Calomel	Calomel
<b>Type</b>	XR110	REF421	REF921
<b>Part No.</b>	OGR-Hg-Ø8-Rod-L120-S7	OGR-Hg-Ø8-12-L103-S7	OGR-Hg-LiCl-L103-S7
<b>Temperature Range</b>	-5 to 50°C	-5 to 50°C	0 to 60°C
<b>Lower Diameter</b>	8 mm	8 mm	8 mm
<b>Liquid Junction</b>	Porous Pin	Porous Pin	Porous Pin
<b>Salt-Bridge Solution</b>	Sat. KCl	Sat. KCl	1M LiCl
<b>Connection</b>	Screw Head S7	Screw Head S7	Screw Head S7
<b>Grinded</b>	Yes	No	No

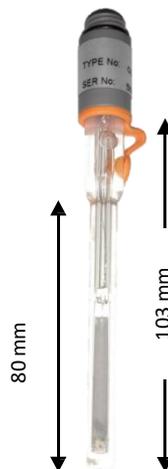
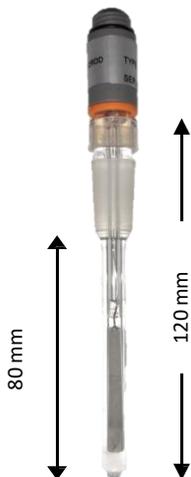
# REF. Electrode: Hg/Hg<sub>2</sub>SO<sub>4</sub>



S7 Plug



Screw S7 Socket



<b>Product No.</b>	OGR011	OGR012
<b>Reference System</b>	Hg/Hg <sub>2</sub> SO <sub>4</sub>	Hg/Hg <sub>2</sub> SO <sub>4</sub>
<b>Type</b>		REF621
<b>Part No.</b>	OGR-Hg/Hg2SO4-ROD-Ø8-12-L120-S7	OGR-Hg/Hg2SO4-Ø8-12-L103-S7
<b>Temperature Range</b>	-10 to 100°C	-10 to 100°C
<b>Lower Diameter</b>	8 mm	8 mm
<b>Liquid Junction</b>	Porous Pin	Porous Pin
<b>Salt-Bridge Solution</b>	K <sub>2</sub> SO <sub>4</sub>	K <sub>2</sub> SO <sub>4</sub>
<b>Connection</b>	Screw Head S7	Screw Head S7
<b>Grinded</b>	Yes	No

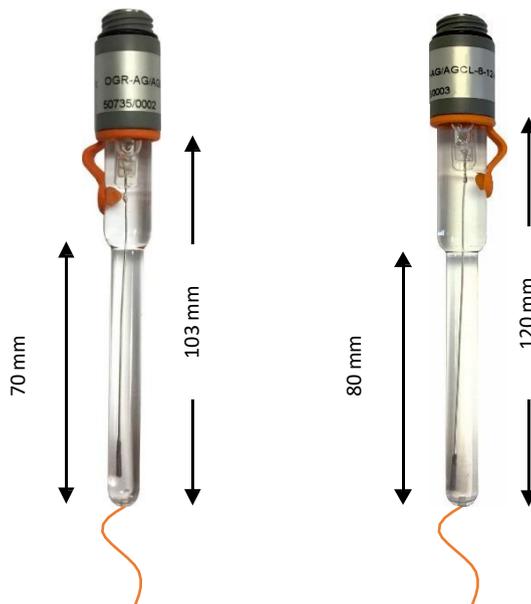
# REF. Electrode: Ag/AgCl



S7 Plug



Screw S7 Socket



<b>Product No.</b>	OGR005	OGR006
<b>Reference System</b>	Ag/AgCl	Ag/AgCl
<b>Type</b>	REF321/ E11.OGL.014	XR300/ E11.OGL.015
<b>Part No.</b>	OGR-Ag/AgCl-Ø8-12-L103-S7	OGR-Ag/AgCl-Ø8-12-L120-S7
<b>Temperature Range</b>	-5 to 80°C	-5 to 80°C
<b>Lower Diameter</b>	8 mm	8 mm
<b>Liquid Junction</b>	Porous Pin	Porous Pin
<b>Salt-Bridge Solution</b>	3M KCl with sat. AgCl	3M KCl with sat. AgCl
<b>Connection</b>	Screw Head S7	Screw Head S7
<b>Grinded</b>	No	No

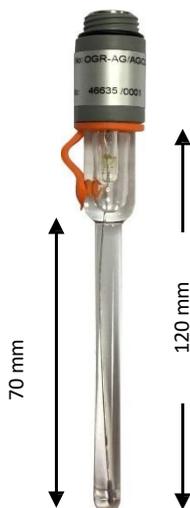
# REF. Electrode: Ag/AgCl



S7 Plug



Screw S7 Socket



<b>Product No.</b>	OGR007	OGR008
<b>Reference System</b>	Ag/AgCl	Red Rod
<b>Type</b>	E12.OGL.058	REF201/E13.OGL.011
<b>Part No.</b>	OGR-Ag/AgCl-Ø6-12-L120-S7	OGR-(rr)-Ø8-12-L103-S7
<b>Temperature Range</b>	-10 to 100°C	-10 to 100°C
<b>Lower Diameter</b>	6 mm	8 mm
<b>Liquid Junction</b>	Porous Pin	Porous Pin
<b>Salt-Bridge Solution</b>	3M KCl with sat. AgCl	Sat. KCl
<b>Connection</b>	Screw Head S7	Screw Head S7
<b>Grinded</b>	No	No

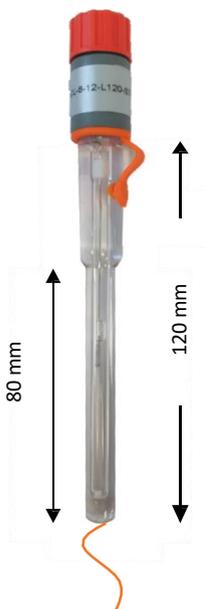
# REF. Electrode: Ag/AgCl



S7 Plug

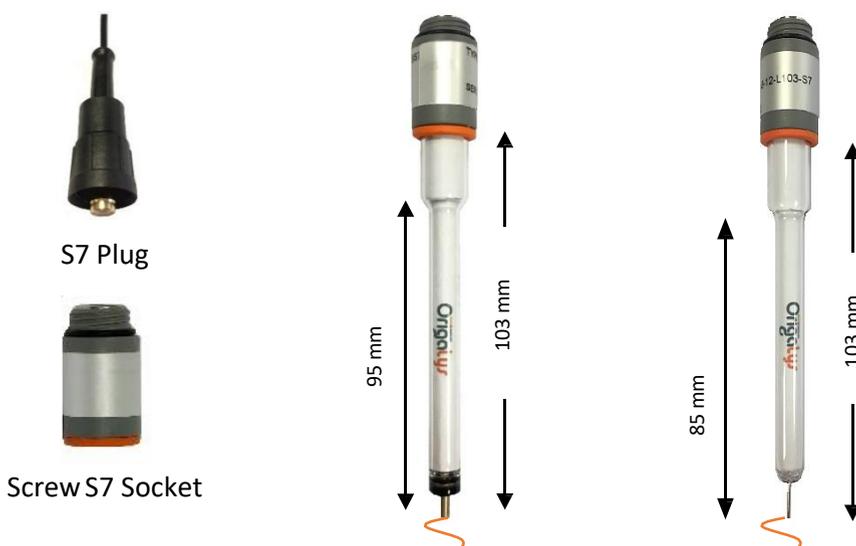


Screw S7 Socket



<b>Product No.</b>	OGR010
<b>Reference System</b>	Ag/AgCl
<b>Type</b>	-
<b>Part No.</b>	OGR-AgAgCl-8-12-L120-S7-DJ
<b>Temperature Range</b>	0 to 60°C
<b>Lower Diameter</b>	8 mm
<b>Double Junction</b>	Porous/Porous
<b>Salt-Bridge Solution</b>	3 M KCl with saturated AgCl
<b>Connection</b>	Screw Head S7
<b>Grinded</b>	No

Glass electrodes from OrigaLys are made with highly shock-resistant glass, making them extremely tough. The average lifetime of a correctly maintained glass electrode is approximately 2 years. Electrodes are always used in combination with reference electrodes. The voltammetry electrodes contain Platinum (Wire, Disc and Plate) and Silver (Rod) sensing elements. These metal electrodes can be used for redox measurements, redox titrations or potentiometric techniques.



Product No.	OGV001	OGV002
Type	M291Ag/E13.OGL.008	M231Pt9/E12.OGL.038
Part No.	OGV-Ag- $\emptyset$ 3-8-12-L103-S7	OGV-Pt- $\emptyset$ 1-8-12-L103-S7
Sensing Element	Silver Rod $\emptyset$ : 3mm Length: 10mm	Platinum Wire $\emptyset$ : 1mm Length: 10mm
Temperature Range	0 to 80°C	-10 to 100°C
Lower Diameter	8 mm	8 mm
Connection	Screw Head S7	Screw Head S7
Grinded	No	No

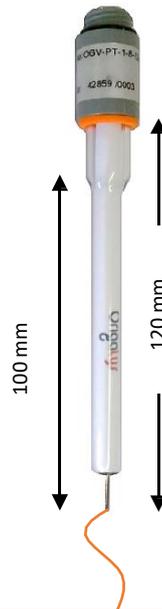
# Metallic Electrode: Pt



S7 Plug



Screw S7 Socket



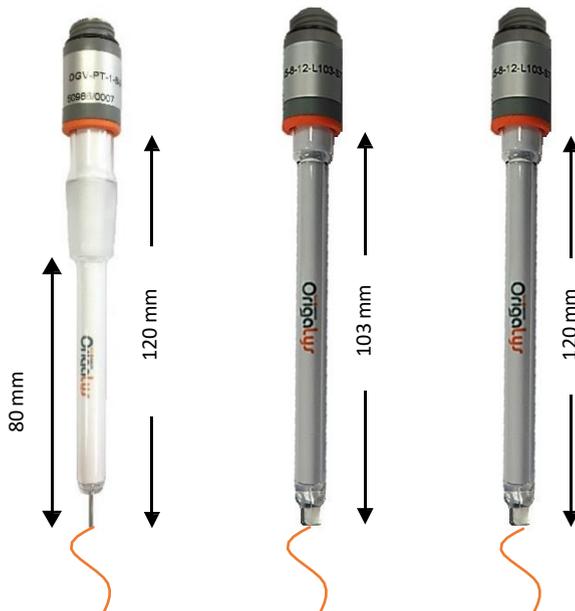
<b>Product No.</b>	OGV003	OGV004
<b>Type</b>	CE-PDT/E11.OGL.025	XM100/E12.OGL.039
<b>Part No.</b>	OGV-Pt- $\varnothing$ 10-12-Rod-L98.5-S7	OGV-Pt- $\varnothing$ 1-8-12-L120-S7
<b>Sensing Element</b>	Platinum Disk $\varnothing$ : 10mm Thickness: 0.3mm	Platinum Wire $\varnothing$ : 1mm Length: 10mm
<b>Temperature Range</b>	0 to 80°C	-10 to 100°C
<b>Lower Diameter</b>	10 mm	8 mm
<b>Connection</b>	Screw Head S7	Screw Head S7
<b>Grinded</b>	Yes	No



S7 Plug



Screw S7 Socket



Product No.	OGV005	OGV006	OGV007
Type	XM110/E10.OGL.028	M241Pt/E12.OGL.056	XM120/E12.OGL.057
Part No.	OGV-Pt-Rod- $\phi$ 1-8-L120-S7	OGV-Pt-5 $\times$ 5-8-12-L103-S7	OGV-Pt-5 $\times$ 5-8-12-L120-S7
Sensing Element	Platinum Wire $\phi$ : 1 mm Length: 10 mm	Platinum Plate $\phi$ : 5 mm Length: 5 mm	Platinum Plate $\phi$ : 5 mm Length: 5 mm
Temperature Range	-10 to 100°C	-10 to 100°C	-10 to 100°C
Lower Diameter	8 mm	8 mm	8 mm
Connection	Screw Head S7	Screw Head S7	Screw Head S7
Grinded	Yes	No	No



S7 Plug



Screw S7 Socket



<b>Product No.</b>	OGV008	OGV150
<b>Type</b>	XM140	XM150
<b>Part No.</b>	OGV-Pt-8x8-Rod-8-L120-S7	OGV-Pt-10-12-L103-S7
<b>Sensing Element</b>	Platinum Plate Ø: 8 mm Length: 8 mm	Platinum Disc Ø: 10 mm Thickness: 0.3 mm
<b>Temperature Range</b>	-10 to 100°C	-10 to 100°C
<b>Lower Diameter</b>	8 mm	12 mm
<b>Connection</b>	Screw Head S7	Screw Head S7
<b>Grinded</b>	Yes	No

# Combined Electrode



S7 Plug



Screw S7 Socket



<b>Product No.</b>	OGVR001
<b>Type</b>	MC3051Pt/E13.OGL.010
<b>Part No.</b>	OGVR-PtRg//Ag/AgCl-Pp-Ø8-12-L103-S7
<b>Reference Element</b>	Ag/AgCl
<b>Sensing Element</b>	Platinum Ring
<b>Temperature Range</b>	0 to 80°C
<b>Lower Diameter</b>	8 mm
<b>Liquid Junction</b>	Porous Pin
<b>Salt-Bridge Solution</b>	KCl 3M + sat. AgCl
<b>Connection</b>	Screw Head S7

# Combined pH Electrode

To meet your analysis needs, combined pH electrodes are available with a variety of lengths, diameters and reference systems.



S7 Plug



Screw S7 Socket



103 mm



103 mm

Product No.	OGPH201	OGPH202
Type	pHC2401-8	pHC3001
Combined	Yes	Yes
Temperature Range	-5 to 80°C	-5 to 80°C
Diameter	12 mm	12 mm
pH Range	0-12	0-12
Salt-Bridge Solution	3M KCl + saturated AgCl	3M KCl + saturated AgCl
Reference system	Ag/AgCl	Ag/AgCl
Liquid Junction	Annular	Porous Pin
Connection	Screw Head S7	Screw Head S7
Grinded	No	No

# Combined pH Electrode

To meet your analysis needs, combined pH electrodes are available with a variety of lengths, diameters and reference systems.



S7 Plug



Screw S7 Socket



103 mm



103 mm

<b>Product No.</b>	OGPH203	OGPH204
<b>Type</b>	pHC3005	pHC3011
<b>Combined</b>	Yes	Yes
<b>Temperature Range</b>	-5 to 80°C	-5 to 80°C
<b>Diameter</b>	12 mm	12 mm
<b>pH Range</b>	0-12	0-14
<b>Salt-Bridge Solution</b>	3M KCl + saturated AgCl	3M KCl + saturated AgCl
<b>Reference system</b>	Ag/AgCl	Ag/AgCl
<b>Liquid Junction</b>	Porous Pin	Porous Pin
<b>Connection</b>	Screw Head S7	Screw Head S7
<b>Grinded</b>	No	No

# Non Combined pH Electrode

To meet your analysis needs, non combined pH electrodes are available with a variety of lengths, diameters and reference systems.



S7 Plug



Screw S7 Socket



Product No.	OGPH001	OGPH002
Type	pHG301	pHG311
Combined	No	No
Temperature Range	-5 to 80°C	-5 to 80°C
Diameter	12 mm	12 mm
pH Range	0-12	0-14
Salt-Bridge Solution	KCl	KCl
Reference system	Ag/AgCl	Ag/AgCl
Liquid Junction	-	-
Connection	Screw Head S7	Screw Head S7
Grinded	No	No

# Ion Selective Electrodes

More on demand: Bromine, Sodium, Cyanide, Copper, and so on.  
 Combined ones are also available.  
 Contact us to get more information



S7 plug



Screw S7 Socket



Product No.	OGS001	OGS002	OGS003
Type	ISE25F	ISE25Ca	ISE25NO3
Part No.	OGS-F(-)-12-103-S7	OGS-Ca(2+)-12-103-S7	OGS-NO(3-)-12-103-S7
Ion Species	F <sup>-</sup>	Ca <sup>2+</sup>	NO <sub>3</sub> <sup>-</sup>
Concentration Range (M)	2×10 <sup>-6</sup> - 10 <sup>0</sup>	5×10 <sup>-7</sup> - 10 <sup>0</sup>	3×10 <sup>-6</sup> - 10 <sup>0</sup>
Concentration Range (ppm)	0.01-20000	0.1-40000	0.2-60000
Temperature Range	0 to 60°C	0 to 50°C	0 to 50°C
Diameter	12mm	12mm	12mm
pH Range	5-11	4-12	3-10
Sensor Type	Solid State	PVC	PVC
Interfering Ions	OH <sup>-</sup>	Zn <sup>2+</sup> , Pb <sup>2+</sup>	Cl <sup>-</sup> , Br <sup>-</sup> , NO <sub>2</sub> <sup>-</sup>
Connection	Screw Head S7	Screw Head S7	Screw Head S7
Grinded	No	No	No

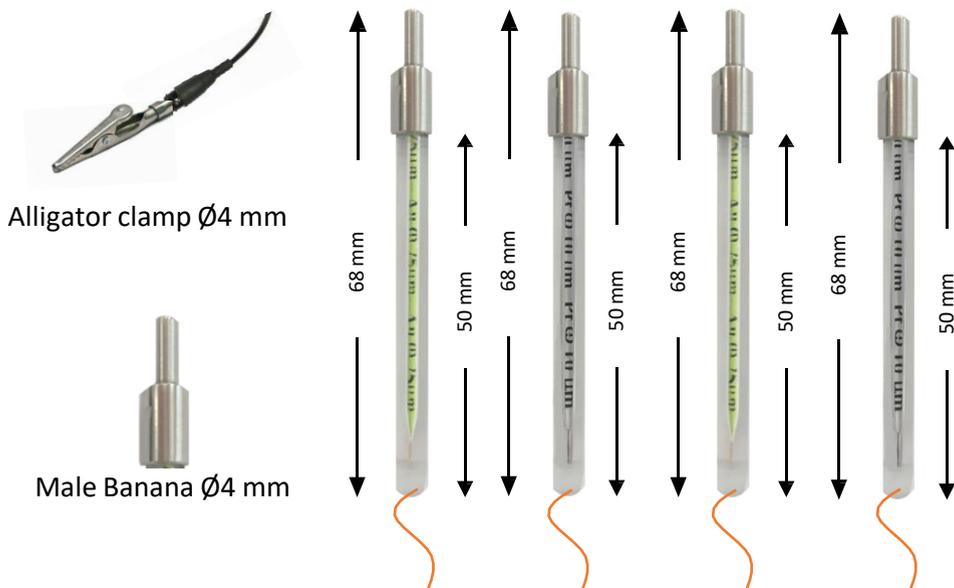
# Conductivity Cell

Origalys provides 2-pole cell, which has a traditional design based on two plates of graphite or platinum. It is ideal for routine measurement of conductivity and for use with a sample changer due to the easy rinsing.



Product No.	OGCEPOXY001	OGCEPOXY002	OGCGLASS001
Type	CDC754-9, with 2 Graphite plates	CDC754-9, with 2 Platinum plates	XE100, with 2 Platinum plates
Part No.	OGCEPXY12103S7G	OGCEPXY12103S7PT	-
Body	Epoxy	Epoxy	Glass
Temperature Range	0 to 100°C	0 to 100°C	0 to 100°C
Diameter	12 mm	12 mm	12 mm
Number of Poles	2	2	2
Compatibility	CM210/230, CDM92 and CDM83	CM210/230, CDM92 and CDM83	CM210/230, CDM92 and CDM83
Platinized	-	Yes	Yes
Temperature Sensor	No	No	No
Connection	Screw Head S7	Screw Head S7	Screw Head S7
Grinded	No	No	No

To meet your analysis needs, microelectrodes are available with a variety of diameters and reference systems.



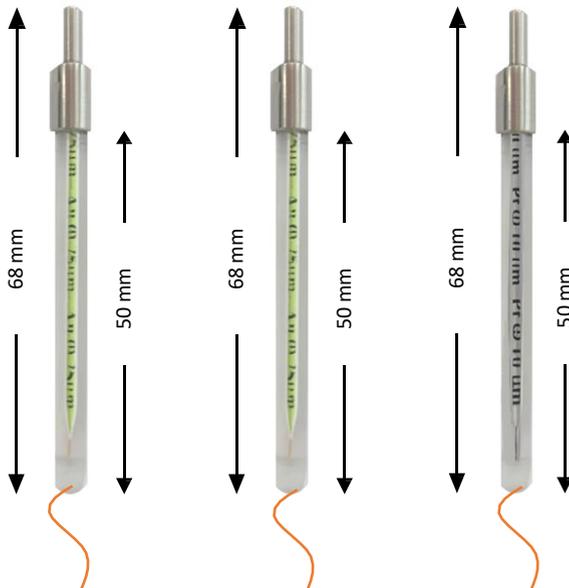
Product No.	UMEAU	UMEPT	UMEPD	UMEAG
Reference Element	Au	Pt	Pd	Ag
Diameter (μm)	10 – 25 – 40 – 50 – 100 – 200	10 – 20 – 25 – 50 – 100 – 200	25 – 50 – 100 – 200	25 – 50 – 100 – 200
Temperature Range	0 to 40°C	0 to 40°C	0 to 40°C	0 to 40°C
Outer Diameter	5 mm	5 mm	5 mm	5 mm
pH Range	0-12	0-12	0-12	0-12
Connection	Male Banana Ø4 mm	Male Banana Ø4 mm	Male Banana Ø4 mm	Male Banana Ø4 mm
Grinded	No	No	No	No
Body	Glass	Glass	Glass	Glass



Alligator clamp  $\varnothing 4$  mm



Male Banana  $\varnothing 4$  mm



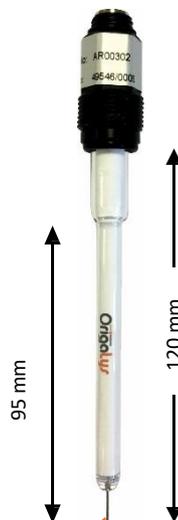
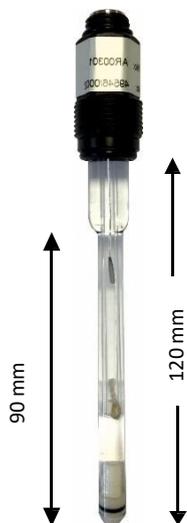
Product No.	UMEIR	UMETI	UMEW
Reference Element	Ir	Ti	W
Diameter ( $\mu\text{m}$ )	75	50	50
Temperature Range	0 to 40°C	0 to 40°C	0 to 40°C
Outer Diameter	5 mm	5 mm	5 mm
pH Range	0-12	0-12	0-12
Connection	Male Banana $\varnothing 4$ mm	Male Banana $\varnothing 4$ mm	Male Banana $\varnothing 4$ mm
Grinded	No	No	No
Body	Glass	Glass	Glass



S7 Plug



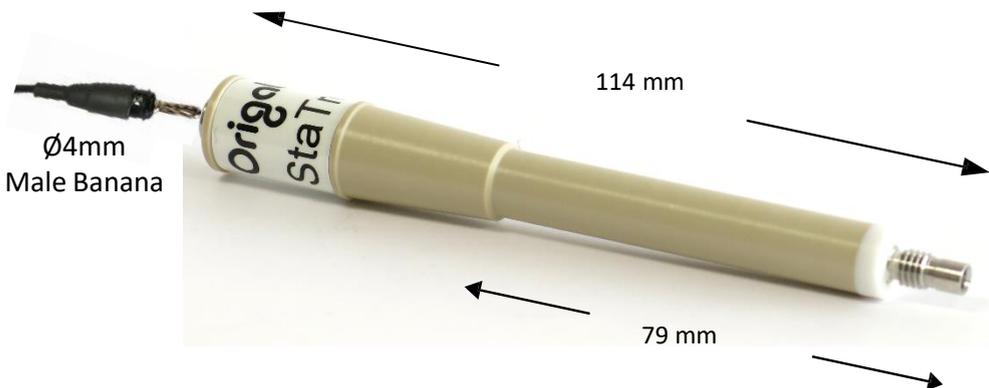
Screw S7 socket



<b>Product No.</b>	AR00301	AR00302
<b>Reference System</b>	Ag/AgCl	-
<b>Sensing Element</b>	-	Platinum Wire Ø: 1 mm Length: 10 mm
<b>Type</b>	E16.OGL.004	E16.OGL.005
<b>Part No.</b>	-	-
<b>Temperature Range</b>	-5 to 80°C	-5 to 80°C
<b>Lower Diameter</b>	8 mm	8 mm
<b>Liquid Junction</b>	Porous Pin	-
<b>Salt-Bridge Solution</b>	KCl Gel Sat.	-
<b>Connection</b>	Screw Head S7	Screw Head S7
<b>Grinded</b>	No	No

This holder for **Working Electrodes** fit tips or sample-holders allowing you to use any kind of materials from 1 to 13 mm active area.

<b>Product No.</b>	E100GL033CIAL
<b>Temperature range</b>	-10 to 105°C
<b>Diameter Up/Down</b>	Up: NS 15/25 Down: 11 mm
<b>Material</b>	PEEK
<b>Connector</b>	Ø4mm Female Banana



## TO BE USED WITH TIPS AND SAMPLE-HOLDERS



Sample-Holder  
Active area: Ø6 mm

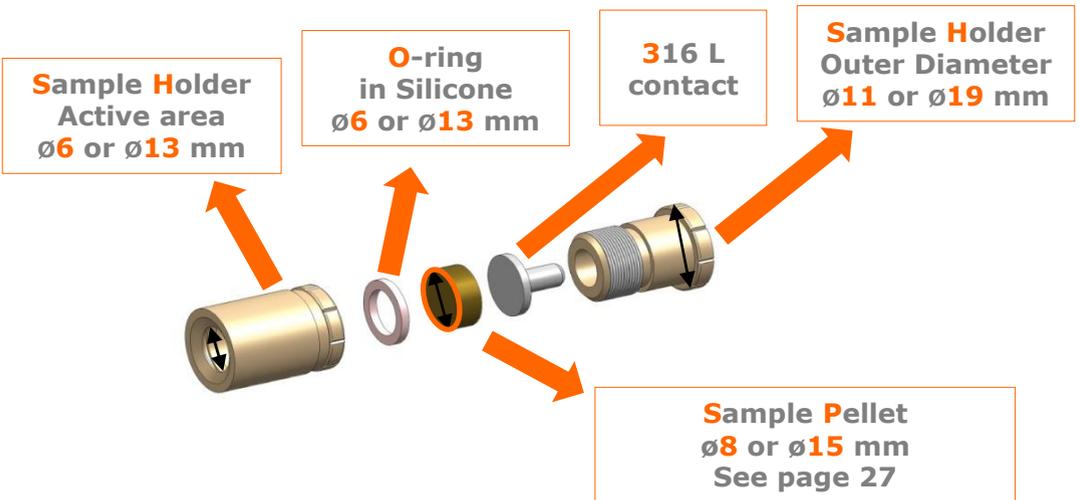


316 L Tip  
Active area: Ø5 mm

# Sample Holders

**Pellets** from OrigaLys can be used with a **Sample Holder**, which can be adapted on the **RDE** (OrigaTrode). The material is **PEEK** (PolyEther Ether Ketone).

<b>Product No.</b>	Ø8 mm: E11OGL001CIAL Ø15 mm: E11OGL006CIAL
<b>Temperature range</b>	-10 to 105°C
<b>Length</b>	17 mm



**TO BE USED WITH RDE AND STATIC ELECTRODE**



OrigaTrode  
OrigaLys' RDE



EDI101  
Radiometer's RDE



OrigaTrode Lt  
RDE with potentiometer

To be inserted in the Sample-Holder, **OrigaLys** provides a whole range of sample pellets.

<b>Thickness</b>	BDD: 1 mm Other pellets: 3 mm
<b>Diameter</b>	8 or 15 mm

## AVAILABLE PELLETS: Ø8 or 15 mm

<b>Material</b>	<b>Diameter (mm)</b>
316L Stainless	8 and 15
A37	8
Aluminium	8
Boron Doped Diamond (BDD)	8 and 15
Carbon Steel XC38	8
Copper	8 and 15
Glassy Carbon	8 and 15
Gold	8
Graphite	8
Iron	8
Nickel	8 and 15
Platinum	8
Silver	8
Stainless Steel	8
Tungsten	8



316 L  
Ø15 mm



BDD  
Ø8 mm

**Tips** from **OrigalyS** can be used with our **RDE** (OrigaTrod) and with the **Static Electrode** (StaTrod) but also with most of other RDE on the market.

<b>Length</b>	20 mm
<b>Material</b>	PEEK



For instance:  
Glassy Carbon  
Ø3 mm

**AVAILABLE TIPS: Ø1, 2, 3 or 5 mm**

<b>Material</b>	<b>Diameter (mm)</b>	<b>Material</b>	<b>Diameter (mm)</b>
316L Stainless	2 and 5	Iron	5
70% Copper and 30% Nickel	5	Nickel	2 and 5
Aluminium	5	Palladium	2
Antimony	5	Peek	0
Cadmium	5	Platinum	2 and 5
Carbon Steel XC38	5	Rhodium	2
Cobalt	5	Silver	2 and 5
Copper	5	Tin	5
Glassy Carbon	3 and 5	Titanium	5
Gold	2 and 5	Tungsten	1
Iridium	5	Zinc	1

**TO BE USED WITH RDE AND STATIC ELECTRODE**



OrigaTrod  
OrigalyS' RDE



EDI101  
Radiometer's RDE

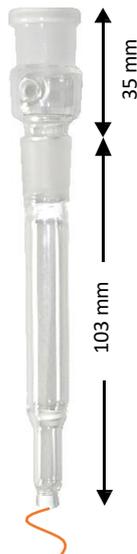


OrigaTrod Lt  
RDE with potentiometer

# Other probes

For pH measurements and measurements with ion-selective electrodes and conductivity cells, use of a temperature sensor is recommended because temperature affects the results.

During measurement, the salt-bridge junction prevents the reference electrode from being contaminated by the media and vice-versa. It consists of a glass tube terminated by a liquid junction.



Product No.	OGT10375CINCHCIAL	D110GL008	AR00865CIAL
Type	T201	AL120	-
Temperature Range	-10 to 105°C	-10 to 105°C	-10 to 105°C
Diameter	7.5 mm	8 mm	12 mm
Compatibility	PHM2XX, CDM2XX and PHM9X	-	-
Tip Material	Titanium	-	-
Connection	Cinch Plug	-	-
Body	PEEK	Glass	PVC
Cord	RCA/RCA Included	-	-
Grinded	No	NS14/15	NS14/15
Junction	-	Porous Pin	-

## Connectors: S7



Product ID	CAD011RV2	CAD015RV1	CAD072RV1
Connection	S7	S7	S7
Length (m)	0.25	1	2
Connection	BNC	BNC	BNC

## Connectors: Male Banana Ø 4 mm



Product ID	ON DEMAND	CAD032RV1	CAD075RV1
Connection	Male Banana 4mm	Male Banana 4mm	Male Banana 4mm
Length (m)	0.25	1	2
Connection	S7	S7	S7

Contact us for more information

## OrigaCell Kit

1



Orange plastic cover

2



Electrode Holder with LEDs

3



Beaker Holder  
Glass or plastic beaker  
30 to 125 ml

4



Base

The OrigaCell Kit is composed by 4 parts



The complete OrigaCell Kit

Exclusively with the OrigaStat range:  
Every part is adjustable and removable

## OrigaCell - Corrosion Cell



Reference: AR00780CIA1

The perfect cell for under coating corrosion



200  
ml



22.9  
cm<sup>2</sup>

### For Flat Samples

Two different cells:

- Thermostated
- Non-thermostated

Ideal for cavernous corrosion

Ideal for under coating corrosion tests.

Corrosion cell for flat samples with a large surface.

## OrigaCell - Corrosion Cell



Reference: X14OGL010

**The perfect cell for coupled corrosion**



**200 ml**



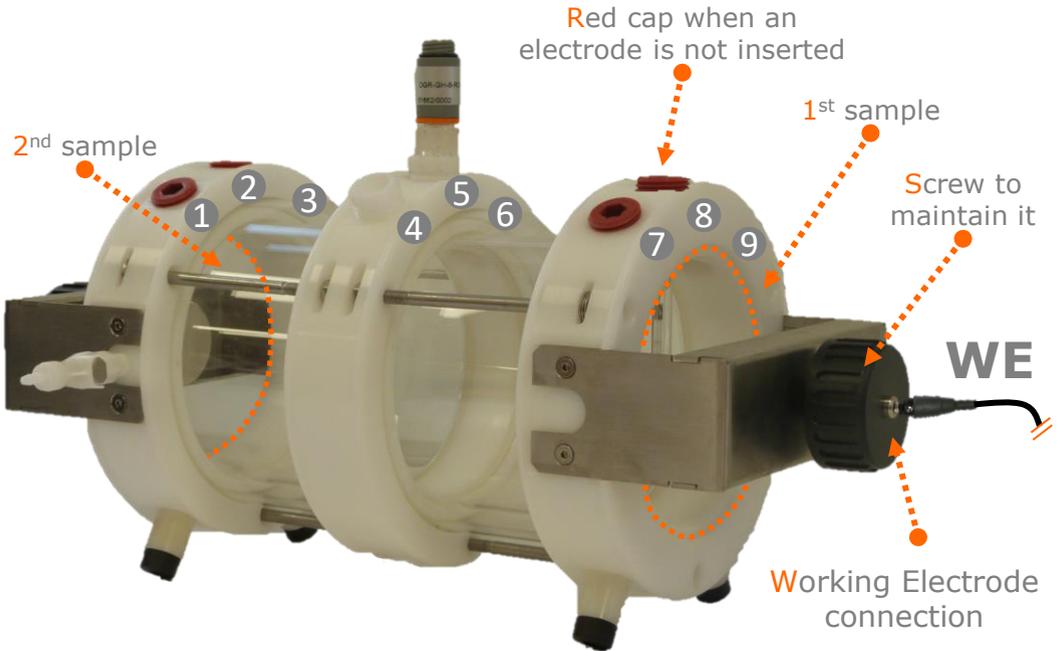
**1.33 cm<sup>2</sup>**

### **For Disc Samples**

Thermostated cell for corrosion with sample holder for discs and platinum disc counter electrode.

- Disc diameter =  $\varnothing$  15 mm
- One Pt  $\varnothing$ 10 mm disc counter electrode
- One Calomel reference electrode
- Temperature probe

## OrigaCell - Corrosion Cell



Reference: AR00828CIAL

The perfect cell for Cavernous Corrosion  
Put your electrodes where you need  
From 1 to 9 locations



2,5 L



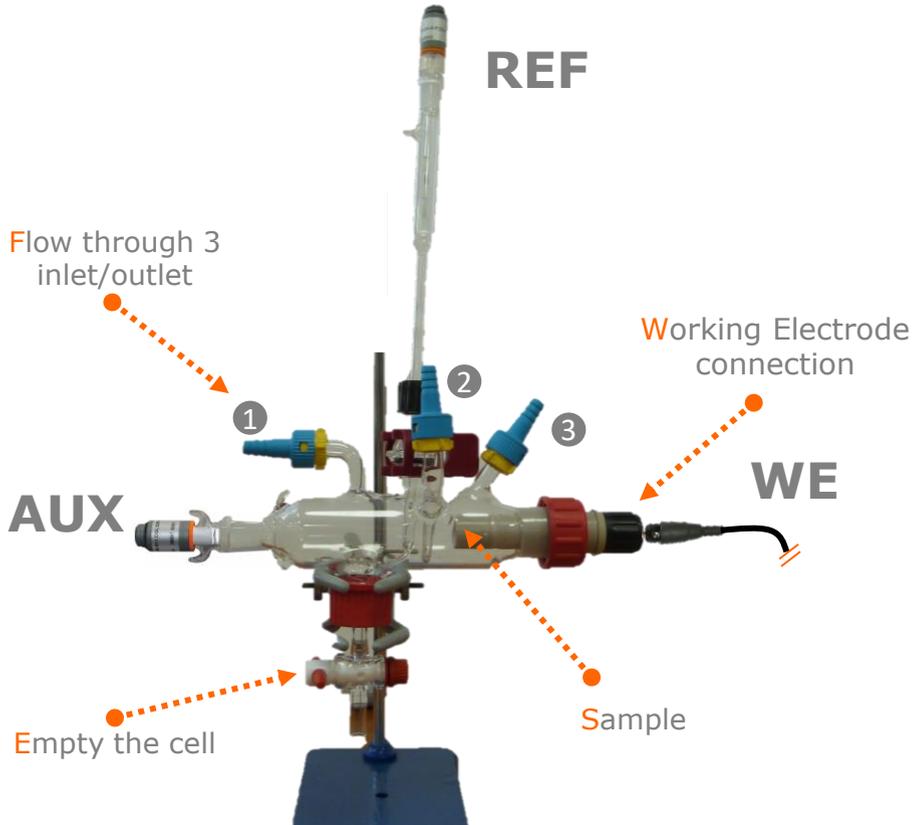
100 cm<sup>2</sup>

### For Flat Samples

Ideal for under coating corrosion tests. Corrosion cell for flat samples with a large surface.

- Thermostated
- Sample active area =  $\varnothing$  113 mm
- Sample Maximum width = 158 mm
- Sample Maximum length = unlimited

## OrigaCell - Flow Cell



Reference: AR00335C1AL

### The perfect cell for flow Corrosion



**230 ml**



**1.33 cm<sup>2</sup>**

#### For Disc Samples

You can circulate a liquid through the cell.

- Sample active area =  $\varnothing$  15 mm
- One calomel reference electrode
- One platinum disc  $\varnothing$  10 mm counter electrode

## OrigaCell – The Cell you need



## To be used with OrigaStat only



### OrigaCell – Plastic and Glass Cell

Number	1	2	3	4	5	6
Max volume	150 ml	150 ml	150 ml	130 ml	100 ml	100 ml
Material	Glass	Glass	Glass	Plastic	Glass	Glass
Thermostated	Yes	No	Yes	No	Yes	No
Reference	AR00369	X12.OGL.031	AR00483	-	X10.OGL.003	D10.OGL.075
Compatibility	All	All	All	All	OrigaStat*	OrigaStat*

\* Use only with the OrigaCell Kit for the OrigaStat

**Special Request:  
Please contact us**

## OrigaTrod RDE Stands

1



Reference: AR00484CIAL

**This stand for RDE is composed by:**

✓ **A standard stand**

With a robust base  
The height is easily adjustable  
It is also removable

✓ **A glass cell**

The volume can vary, on demand.  
For cell #1, it can be thermostated.  
With its 5 holes, the cell can fit  
RDE, counter electrodes, working  
electrodes and reference electrodes  
made by Origalys or not.

2



Reference: AR00735CIAL

## OrigaMix



Reference: AR01318CIAL

### Magnetic Stirrer

- ✓ Exchangeable
- ✓ Swiss made motor
- ✓ Fitting **OrigaStat**
- ✓ 100 to 1,500 rpm

## OrigaTest External Dummy Cell



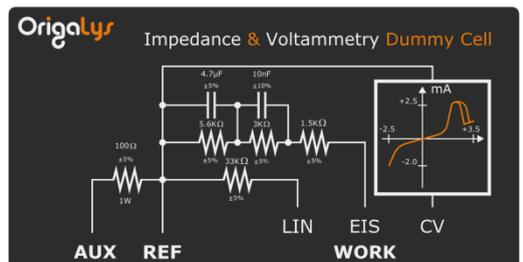
- ✓ Dimensions (L x W x H): 12 x 6,4 x 4 cm
- ✓ Weight: 0,150 kg

The **OrigaTest** is an external dummy cell, easily transportable, allowing to:

- ✓ Verify the **main technical specifications** of the OrigaLys range of products, such as: **OrigaStat** or **OrigaFlex**.
- ✓ Familiarize with the **OrigaMaster** software, in order to prepare, to run and to examine experiments.
- ✓ Check the cords. Thus, you can determine if the cables are fully operational or if you need to change them.

### Main Dummy Cell functions

- ✓ Linear Voltammetry (LIN)
- ✓ Cyclic Voltammetry (CV)
- ✓ Impedance (EIS), double loop
- ✓ Auxiliary (AUX)
- ✓ Reference (REF)
- ✓ Work (WRK)
- ✓ 2 or 3 electrodes



## Battery Holders for OrigaFlex



### Swagelok Holders

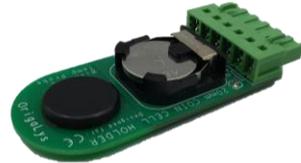
*2 electrodes / 3 electrodes*

#### Dimensions:

- ✓ Length: 80 mm
- ✓ Width: 42 mm
- ✓ Height: 65 mm

#### Main Specifications:

- ✓ Easily removable from the device
- ✓ Empty weight: 44,51 g
- ✓ Full weight: 200 g
- ✓ Banana connectors:  $\varnothing$ 2 mm
- ✓ Operating temperature: -30°C à 80°C



### Coin cell Holder

*CR2032*

#### Fitting the following batteries:

- ✓ Thickness: 3,2 mm maximum
- ✓ Diameter: 20 mm maximum

#### Main Specifications:

- ✓ Easily removable from the device
- ✓ Length: 80 mm
- ✓ Width: 32 mm
- ✓ Temperature sensor
- ✓ Operating temperature: -30°C to 80°C



**Other Battery Cell Holders:  
On demand**

## Swagelok Cells



Reference: AR00884

2 electrodes

### Main Specifications:

- ✓ Connectors: 2mm banana
- ✓ Internal diameter: 12 mm
- ✓ Material: Stainless Steel
- ✓ Operating temperature: -30°C to 80°C



Reference: AR00885

3 electrodes

### Main Specifications:

- ✓ Connectors: 2mm banana
- ✓ Internal diameter: 12 mm
- ✓ Material: Nylon & Stainless Steel
- ✓ Operating temperature: -30°C to 80°C

## Fitting Origaflex with its Holder

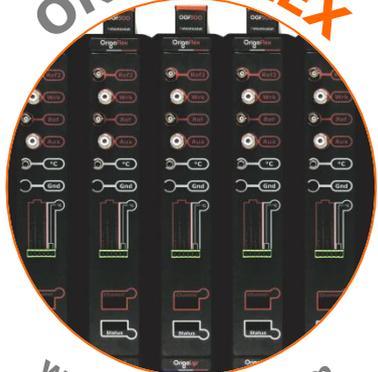


# ORIGASTAT



[www.origalys.com](http://www.origalys.com)

# ORIGAFLEX



[www.origalys.com](http://www.origalys.com)



# ORIGATROD



[www.origalys.com](http://www.origalys.com)

# ORIGACELL



[www.origalys.com](http://www.origalys.com)

AR01230 – 31/08/2021

Country Representative

OrigaLys ElectroChem SAS

Les Verchères 2  
62A, avenue de l'Europe  
69140 RILLIEUX-la-PAPE  
FRANCE

+33 (0)9 54 17 56 03

+33 (0)9 59 17 56 03

[contact@origalys.com](mailto:contact@origalys.com)