

# ORIGAFLEX RANGE

OrigaMux – Multiplexer

Origalyr



**Duplicate your measurement channel  
with our OrigaMux multiplexer!**

**MORE THAN 75 YEARS OF EXPERIENCE IN ELECTROCHEMISTRY**

# ORIGAFLEX RANGE

OrigaMux – Multiplexer

Genesis  
**OrigaLys**

## Multiply your researches...

### Thanks to the OrigaMux!

Multiplexing of **8 cells** by OrigaMux

Get up to **72 cells** for **1 OrigaFlex**!

Perform **sequential measurements**  
with LEDs to indicate the selected  
cell

**ZRA mode:**

Holding potential at 0 V during sequential measurement  
Automatic ZRA recovery in the event of a power failure

## MAIN APPLICATIONS OF ORIGAMUX

Corrosion monitoring  
Corrosion inhibitor test  
Galvanic corrosion  
Surface treatment



Microbial Fuel Cell  
Electrolyser  
Fuel cells

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**OGF<sup>+</sup>500EIS\***

±500 mA / ±20 V



**OGF<sup>+</sup>01AEIS\***

±1 A / ±20 V



**OGF<sup>+</sup>05AEIS\***

±5 A / ±20 V



**OGF<sup>+</sup>10AEIS\***

±10 A / ±20 V

\*Electrochemical Impedance Spectroscopy (EIS) available as an option

**MUX01A**

Allows multiplexing  
OGF500  
OGF01A



**OGFMUX**

Allows users to  
chain sequential  
measurements



**MUX10A**

Allows multiplexing  
OGF05  
OGF10A

To power your multi-channel system:

**OGFDRV – DRIVE UNIT  
MULTI-WAY CONFIGURATION**



- Power supply
- Control of channels
- Built-in dummy cell

With an "OGFDRV - Drive Unit", from one channel and  
extend the system in the futur



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**Program your methods on a huge number of cells!**

**Optimize your system while reducing your cost**

**MULTI-POTENTIOSTATS:**

**SIMULTANEOUS  
MEASUREMENTS**



**MULTIPLEXER:**

**SEQUENTIAL  
MEASUREMENTS**



VS

**OGFDRV + 8 OGF01A  
channels**

**OGFDRV + 1 OGF<sup>+</sup>01A  
channel with integrated  
impedance + 1 OrigaMux**



### TECHNICAL CHARACTERISTICS

<b>Number of channels</b>	8
<b>Switched inputs</b>	WRK + (REF   REF2   AUX   TEMP + GND)
<b>type of commutation</b>	Relay
<b>Input impedance</b>	10G $\Omega$ 20pF
<b>Cascadable</b>	Possibility of having 8 OrigaMux in cascade, allowing to have up to 72 channels
<b>Current range</b>	From pA to 10A per cell depends on OGF connected
<b>Upkeep of potential (potentiostatic mode)</b>	$\pm 100\text{mA}$ $\pm 15\text{V}$ Compliance $\pm 20\text{V}$ In 2 / 3 / 4 electrodes
<b>Communication</b>	Driven by the OrigaDrive (ethernet)
<b>Connectors</b>	6 point terminal block SMB for HiZ refs
<b>Soft</b>	OV2 + ethernet
<b>Security against power cuts in ZRA mode</b>	Yes

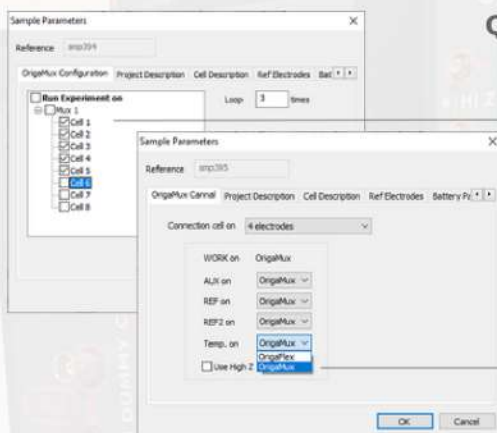
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## ORIGASOFT - ORIGAVIEWER

Quick and easy setup



Selection of work cells

Choice of instrument

Simultaneous experiments become sequential one

See your results in real time



Backup, concatenation and export of data

## MORE INFORMATION

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

- Application Notes
- Tutorial videos



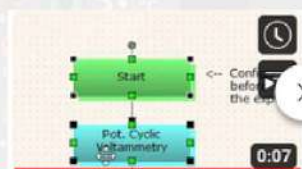
### OrigalyS' Youtube Channel



**How to connect OrigaMu to OrigaFlex**

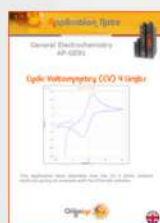
510 vues • il y a 3 ans

Sous-titres



**Automatic link on OrigaMaster 5**

406 vues • il y a 4 ans





# GAMME ORIGAFLEX

OrigaMux – Multiplexer



## A QUESTION ? CONTACT US!

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