# Inductometer OCD218

### **OrigaMeter range**



- Sustainable and repairable
- Reliable and fast results
- Easy to use and simple connections
- Data transfers (Regressi, ExAo, Excel)
- Compatible with all the Conductivity cells
- Electrode Replatinable function

OrigaLys was founded by four R&D engineers from Radiometer company.







## Easy to use

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Origol

Origamete

Origaly

Power the conductometer by pressing the button to the right of the screen

The home screen lights up, with time display

Pressing one of the keys on the keyboard, the measurement screen in continuous mode appears:



#### Function keys:

OCD2

Each key is associated with a function defined in a white rectangle at the bottom of the screen.

In our example the left key allows you to enter the **MENU** to access the other functions of the device. The right key allows you to enter to the measurement configuration (**SETUP**).

#### Adjustment and navigation keys:

These keys allow you to move around menus, select a setting, or adjust the value of a variable.

In our example, **horizontal** arrow keys allow you to select the **Continuous** or **Auto** measurement mode. **Vertical** arrow keys adjust the temperature value.

## Connecting the electrodes

#### Example

#### Check our various Packs on page 6



Connection to the ground:

The basic OCD218 allows measurements to be made in floating mode. To connect it to the earth, simply connect it to a device such as a printer, recorder or PC, which is itself connected to the earth.



#### Analog output and RS232 communication



« ANALOG OUT »

#### **RS232** Communication

✓ Printing the results at the end of the calibration
 ✓ Controlling the conductometer

CrigaLys COM1 - HyperTerminal						-		×	
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L	24/06/2021	09:08	Conductivité	25.71µS/cm	25.2°C				
L	24/06/2021	09:13	Conductivité	23.65µS/cm	25.5°C	INSTABLE			
L	24/06/2021	09:17	Conductivité	Surcharge	25.3°C				
L	24/06/2021	10:27	Conductivité	4.145mS/cm	25°C				
L	25/06/2021	14:20	Résistivité	1.423KO.cm	24°C				
L	25/06/2021	17:52	TDS	1025.5mg/l	26.4°C	INSTABLE			
L	25/06/2021	18:30	TDS	1025.5mg/l	26.4°C				
L	28/06/2021	11:45	Salinité	35.412	27.1°C				
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c	onnected 00:01:42	ANSIW	115200 8-N-1 SCROLL	CAPS NUM Capt	ure Print echo	0			

Control with HyperTerminal

#### **USB** Communication

 $\checkmark\,$  Controlling the conductometer

# Technical Features

Conductivity	7 ranges: 0 - 1 000 nS/cm 0 - 10 μS/cm 0 - 100 μS/cm 0 - 100 μS/cm 0 - 10 mS/cm 0 - 100 mS/cm 0 - 10 s/cm	$\begin{array}{c} \text{Resolutions:} \\ \text{Rs} = 10 \text{ pS} \\ \text{Rs} = 10 \text{ pS} \\ \text{Rs} = 1 \text{ pS} \\ \text{Rs} = 100 \text{ nS} \\ \text{Rs} = 10 \text{ nS} \\ \text{Rs} = 1 \text{ nS} \\ \text{Rs} = 100   \text{S} \end{array}$		
Resistivity	1 Ω.cm to 100 MΩ.cm			
TDS (Total Dissolved Solids)	4 to 20 mg/l			
Salinity	2 to 42			
Temperature	-10°C to 110°C	Resolutions: ±0,1 °C		
Output	USB, RS232 and Analog			
Tolorgan	Conductance: ±0,5 % on display ±3 digits			
Tolerances	Temperature: ±0,5 °C			
Dance colortion	Automatic: Conductivity, Resistivity, TDS and Salinity			
kange selection	Manual: conductivity			
Calibration	3 modes: automatic, manual ans static			
	Conductivity: S/cm or S/m			
Unite	Résistivity: $\Omega$ .cm or $\Omega$ .m			
Units	TDS: mg/l			
	Salinity: (scalar)			
Input / Output	<ul> <li>1 input for conductivity cell (mini-DIN 6 socket)</li> <li>1 input for temperature sensor (take RCA / CINCH)</li> <li>1 RS232 series port (take SUB-D 9 pins)</li> <li>1 USB 2.0 port (type B socket)</li> </ul>			
Dimensions (H x L x P)	80 x 140 x 180 mm			
Weight	850 g			
Power	2 possibilities: • By AC adapter 12Vdc, 1A, 12W (JACK plug) • By USB 2.0 port (type B socket)			
Environmental conditions	<ul> <li>Temperature of use: 5 to 40°C</li> <li>Relative use humidity: 20 to 80%</li> </ul>			
Warranty	5 years			

Dur packs and accessories

### **Conductometer Packs OCD218**



Testimonies

#### **OrigaMeter range – OpH218**



Lycée Jacques Decour Paris

The laboratory of the Jacques Decour high school was interested in buying the Origalys pH meter: the OpH218 because we knew the Radiometer range.

The range has been improved with the ability to make calibrations from 100% manual to 100% automatic according to needs and class levels.

The device is space-saving, lightweight and very easy to use. We were also interested in connecting it very easily to the computer via Excel and therefore not needing yet another software.



limited in range of errors and cannot prevent measurements.



Lycée Raspail, Paris





The pH meter is very easy to use, and it is space-saving.

They are very suitable for students in preparatory classes than for high school students.

Lycée Balzac, Paris

The Origalys OpH218 pH-meter is just what we needed: easy to use (just follow the on-screen instructions), easy to store, space-saving. It is the worthy successor of the phm210.





Testimonials collected by JEULIN company.



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