Installation and commissioning instructions

SYCLOPE Electronique

Ref: DOC0699 Rev: 1.1

Part of the general documentation

► Part 1: Installation and commissioning instructions
Part 2: General programming and communication instructions

Track changes

Revision	Made by	Purpose of the amendment	Date
1.1	S. Beziade	Addition of stabilisation time information $VI Corrected EMC standards in table Emission levels warning added $II.3 Added FCC compliance	29/10/2024

General information:

SYCLOPE Electronique 2023® Manual of 14/12/2023 Rev 1

Online Trichloramine analyser.
Product Line TrikloLive®

Installation and commissioning instructions (DOC0699)

Editor:

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Contents

I. Generality

1) Scope

The **TrikloLive**® SYCLOPE analyzer you purchased is a high-tech electronic device for controlling Trichloramine in the air.

Designed according to the customer's needs, the **TrikloLive**® analyzer is designed for use in industrial applications such as public swimming pools (indoor pool, cloakroom, entrance hall, technical rooms, etc.).

TrikloLive® is a simple process that ensures more safety for bathers, employees, operators, who can be informed in real time of the level of trichloramine in the air at the chosen sampling point.

The **TrikloLive**® analyzer's ease of operation, user-friendliness and outstanding technical features ensure you benefit from their many options, ensuring complete air quality control and monitoring.

You will find in the following instructions, all the information necessary for the installation, use and maintenance of your new equipment.

- Installation
- Technical specifications
- Commissioning instructions
- Security council

If you need more information or if you encounter problems that not have been specified in this guide, please quickly contact your retailer or Syclope Electronique S.A.S. sales department, either at the agency or office in your area, or at technical/quality service at our head office. We will do our best to help you and make you enjoy our advice and our knowledge in the field of measurement and treatment of pools water.

Contact: Service-technique@syclope.fr

2) FCC conformity

The **SYCLOPE TrikloLive®** controller complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference (2) this device must accept any interference received, including interference that may cause undesired operation FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect this equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes and modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Remark: To ensure compliance with the FCC regulations on electromagnetic interference for a class B device, use cables properly shielded and connected to the ground as recommended in this manual. The use of a cable that is not properly shielded or earthed for risk of violating the FCC rules.

Radio Frequency (RF) Exposure Compliance of Radiocommunication for mobile Apparatus To satisfy FCC RF Exposure requirements for mobile devices, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during operation. To ensure compliance, operation at closer than this distance is not recommended. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

3) Use of the document

Please read carefully the entire document before starting the installation and the commissioning of the controller device, to ensure the safety of swimmers, users, and equipment's.

The information provided in this document must be strictly observed. **SYCLOPE Electronique S.A.S.** declines all responsibility in cases where failure to comply with the instructions of this documents.

The following symbols and pictograms will be used to facilitate reading and understanding of these instructions.

- Information

► Action to do

➢ Element of the list or enumeration

4) Symbols and signs

⎓ Identification of a continuous voltage or current

Risk of injury or accident. Identifies a warning concerning a potentially dangerous risk. The documentation must be consulted by the user with each time the symbol is notified. If the instructions are not respected, this presents risks of death, physical injuries, or property damages.

Risk of incorrect operation or damage for the device

Comment or particular information.

Recyclable element

5) Storage and transport

It is important to store and to transport the **SYCLOPE TrikloLive®** controller in its original packaging to minimize risk of damage.
Furthermore, the package must be stored in an environment that is protected against humidity and exposure to chemical products.

Environmental conditions for transport and storage:

Temperature: -10 °C to 70 °C
Air humidity: Maximum of 90% with no condensation

It is **mandatory** to transport the device vertically, to avoid the bottle (located inside) to overturn.

6) Packaging

The device is delivered **WITHOUT** power supply. Can be ordered from our sales department.

Included in the packaging:

- ✓ **SYCLOPE TrikloLive®** analyser.
- ✓ The instructions for commissioning and programming

7) Warranty

The warranty is provided according to the terms of our general conditions of sale and delivery if the following conditions are met:

- ➢ Use of the equipment according to the instructions of this notice
- ➢ No modifications of the equipment which may modify its behaviour and no incorrect manipulation
- ➢ Respect for the electrical safety conditions

Consumable material is no longer covered by warranty as soon as it is put into service.

II. Safety and environmental instructions

Please:

- Read this manual carefully before the unpacking, the installing or the commissioning of this equipment
- Take into account all the hazards and of recommended precautionary measures

The failure to respect these procedures can result in serious injury to users or damaging the device.

1) Use of the equipment

SYCLOPE TrikloLive® analyzer is a device that generates all the functions needed to monitor air quality.

SYCLOPE TrikloLive® is intended for internal use ONLY.

SYCLOPE TrikloLive® may be used in damp locations.

All other uses are considered to be non-conforming and must therefore be forbidden. SYCLOPE Electronique S.A.S. will not be responsible in any case for any damage that result from such uses.

2) User obligations

The User agrees to only allow **SYCLOPE TrikloLive®** equipment described in this manual to be used by personnel who:

- Are aware of the fundamental instructions relating to work safety and prevention of accidents
- Are trained in the use of the device and its environment
- Have read and understood these instructions, warnings, and manipulation rules

3) Risk prevention

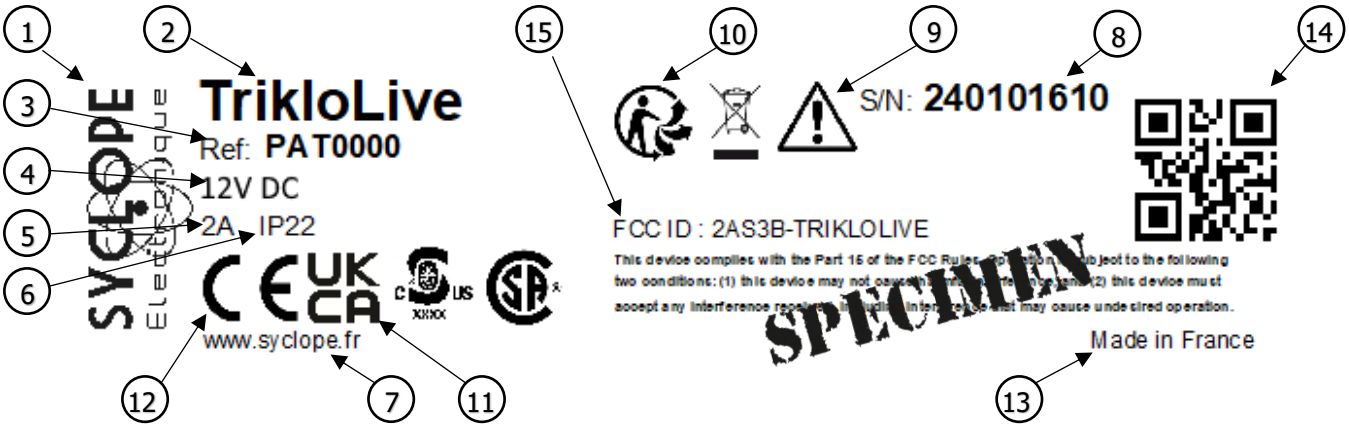
The installation and connection of the **SYCLOPE TrikloLive ®** should be only performed by specialized personnel and qualified for this task.
The installation must comply with the current safety standards and instructions!

Emissions exceeding the levels required by standard EN61326-1 may occur when the equipment is connected to a test object.

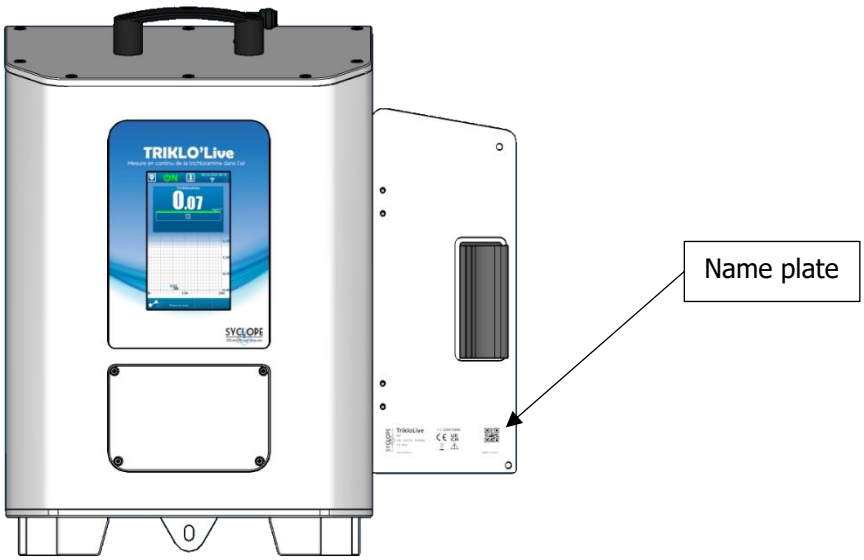
Before opening the controller or manipulate the relay outputs, always remember to switch-off the primary power supply!
Never open the controller when it is powered on!
Maintenance operations and repairs should be only performed by trained and specialized personnel!

Make sure to choose the place of installation of the equipment according to the environment!
The **SYCLOPE TrikloLive®** electronic box must not be installed in a hazardous environment and must be protected from splashes of water and chemicals. It must be installed in a dry and ventilated place, insulated from corrosive vapours.

4) Identification and localization of the nameplate



(1) Manufacturer's label	(9) Particular risk. Read the manual
(2) Model of the product	(10) Product which can be recycled
(3) Reference of the product	(11) UKCA approved
(4) Range of power supply	(12) EC approved
(5) Values of maximum current	(13) Country of manufacture
(6) Class of protection	(14) Manufacturer square code
(7) Identification of the manufacturer	(15) FCC ID
(8) Serial number	(16) cBVus approved



5) Disposal and conformity

The recyclable packaging of the **SYCLOPE TrikloLive ®** equipment must be disposed of according to current regulations.

Elements such as paper, cardboard, plastic, or any other recyclable elements must be taken to a suitable sorting centre.

According to European directive 2012/19/EC, this symbol means that as of 4 July 2012 electrical appliances cannot be thrown out together with household or industrial waste. According to current regulations, consumers within the European Union are required, as of this date, to return their used devices to the manufacturer, who will take care of disposing them at no extra expense.

According to European directive 2011/65/EC, this symbol means that the **SYCLOPE TrikloLive®** controller is designed in compliance with the restrictions on hazardous substances.

According to low-voltage directive (2014/35/UE) and the electromagnetic compatibility directive (2014/30/UE), this symbol means that the device has been designed in compliance with the previously cited directives.

In accordance with part 15 of the FCC regulation (Federal communications commission), this symbol indicates that the device was tested and approved under the respect and the conditions of the limits for a Class B digital device.

The product complies with the requirements of IEC 61326-1 relating to immunity and emissions concerning electromagnetic compatibility in a basic environment.

According to low-voltage directive (2014/35/UE) and the electromagnetic compatibility directive (2014/30/UE), this symbol means that the device has been designed in compliance with the previously cited directives.

In accordance with UL61010 and PART 15 class B computing device peripheral, this symbol indicates that the device has been designed in accordance with the above-mentioned directives.

In accordance with Decree no. 2021-835 of 29 June 2021 on consumer information on the waste sorting rule.

III. Technical characteristics and functions

1) Technical charateristics

Main features		
Type(s)	**Specification(s)**	**Marker(s)**
Consumption	2A Max (Without connected dosing accessories)	-
Power supply requirements	- External power supply **(not supplied):** Input:100-240VAC (± 10%) 50/60hz; output: 12Vdc 2A with limited power Complies with standards IEC 61010-1:2010+A1:2016 or IEC62368-1:2018 **-** External power supply on jack connector: 12Vdc 2A power limited	-
Operating temperature (°C)	5 °C to 45 °C (23 °F to 113 °F)	-
Case material	ABS UL94V0	-
Dimensions of the case	Length: 243 mm (9,56 inch) Width: 285 mm (11,22 inch) Height: 428 mm (16.85 inch)	-
Case weight	7,8kg	-
Indicator light (LED)	Groupe 0	
Display	5-inch color LCD screen Resistive touch	-
Environment		
Storage temperature	-10 °C to 70 °C (10 °F to 158 °F)	-
Max operating altitude	2000 meters	
Humidity	Max. 90% without condensation	-
Protection rating	IP 22	-
Product certification	CE	-
Max overvoltage category of the power supply network	CAT II	
Pollution degree	DP 3	
Electromagnetic compatibility	Class B disruption tests comply with EN61326-1 Class B disruption tests comply with EN55011 Immunity tests comply with EN61000-4-2 Immunity tests comply with EN61000-4-3 Immunity tests comply with EN61000-4-4 Immunity tests comply with EN61000-4-6 Immunity tests comply with EN61000-4-8	-
Standard	EN 61326 Electrical measuring, control, and laboratory equipment for a standard environment (class B home use)	-
Input		
USB	USB port behind front panel (for exclusive use with USB memory stick, firmware update and history export) (5VDC; 500mA)	-
Outputs		
Relay output	1 ON/OFF relay outputs 3A Max ; 48VAC Max	FO1
Analog outputs	1 analog outputs 4…20 mA Max ; 12 VCC Max ; 500 Ω	AO1
Communication port		
RS485	1 RS485 communication port	RS485
Ethernet	1 Ethernet output	ETH
Save		
Button cell	Type CR2032	Bat1

2) Main functions

Main functions		
Function(s)	**Specification(s)**	**Remark(s)**
Trichloramine measurement	<2mg/m3 +/-10%	Autonomous system with filling and purging of the analysis solution
Actuator type	1 output relay 48 VAC Max	On/Off function
Analog output	1 programmable output 4…20 mA	Copy or control functions

3) Radio technologies in equipment

Radio technologies			
Technologies	**Number of antenna**	**Radiated powers**	**Frequency bands of use**
WIFI	1	< 20dBm	2400 MHz to 2483.5 MHz 2.4 GHz Band Exclusion Band: [2280 MHz – 2603.5 MHz]

4) Parameters and measurement scales

Measures and regulations			
Parameters	**Measuring scale**	**Customer measuring scale**	**Accuracy**
Trichloramine	0 to 2 mg/m^3		± 0,05 mg/m^3

IV. Installation et connections

1) Installation conditions

To guarantee the user safety and to ensure correct operation of your **SYCLOPE TrikloLive®**, please observe the following installation instructions:

- The analyser is intended for internal use ONLY
- Room temperature should be between 5°C and 45°C, non-condensing
- Choose a vibration-free installation location, on a suitable support and without deformation
- Install the unit so that it is not difficult to operate the disconnect circuit (fuse or circuit breaker)

If these instructions are not followed:

- The device may be damaged,
- Measurements can be disrupted,
- The guarantee will not be guaranteed!

2) Installation in accordance with standard NFC15-100

The SYCLOPE TrikloLive® analyser **MUST NOT BE** installed in volumes 0 and 1 in accordance with the NFC15-100 standard.

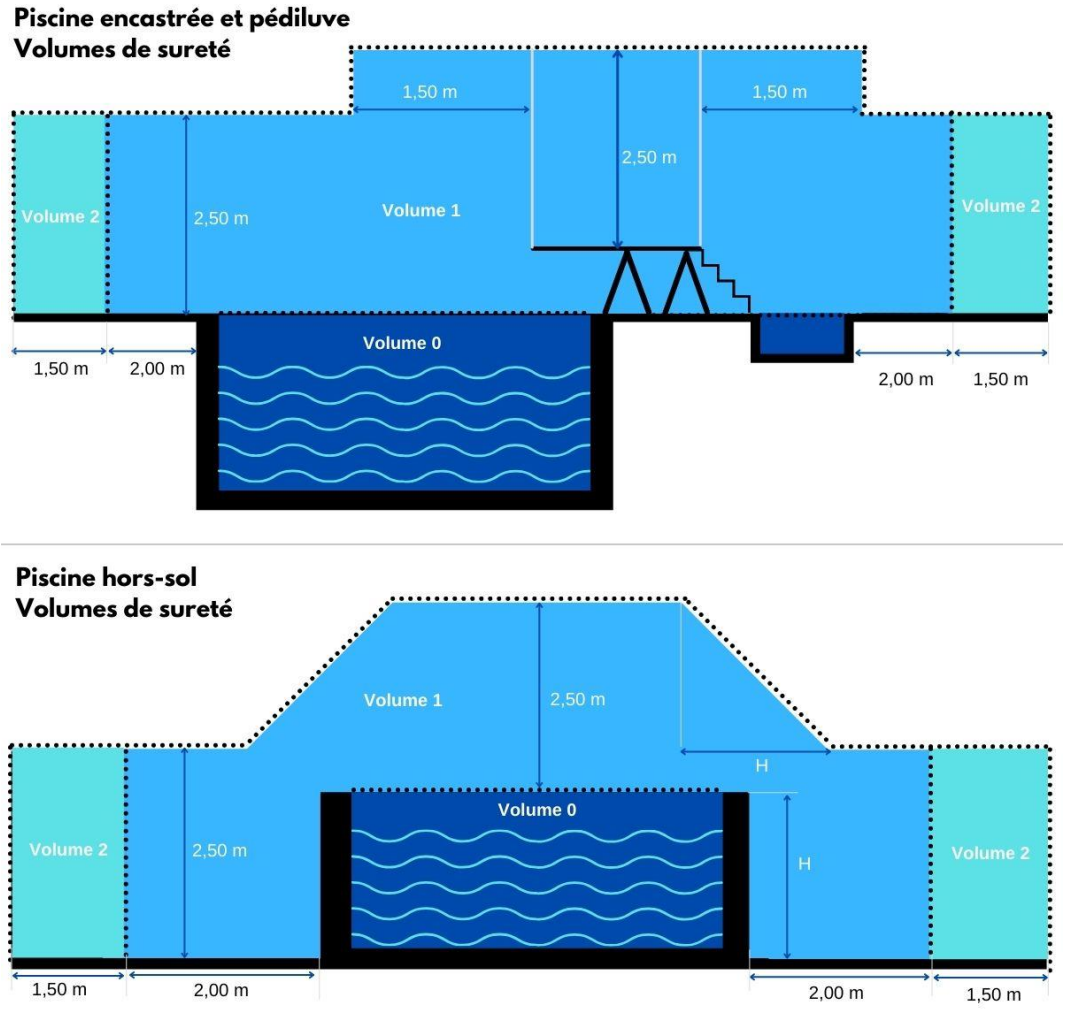


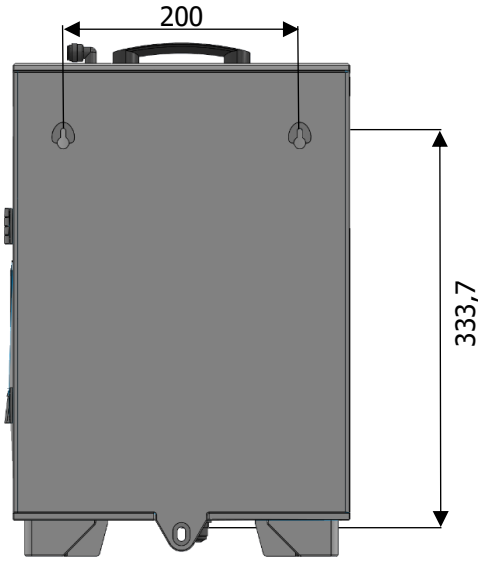
Figure showing volumes in accordance with standard NFC15-100.

3) Wall installation of the device

Before mounting and making electrical connections, cut the power supplies!
Class IP22 is only guaranteed if the closing cover!

The fixing screws must have a diameter of **4 mm**.

► Drill 3 holes according to the drilling plan below:



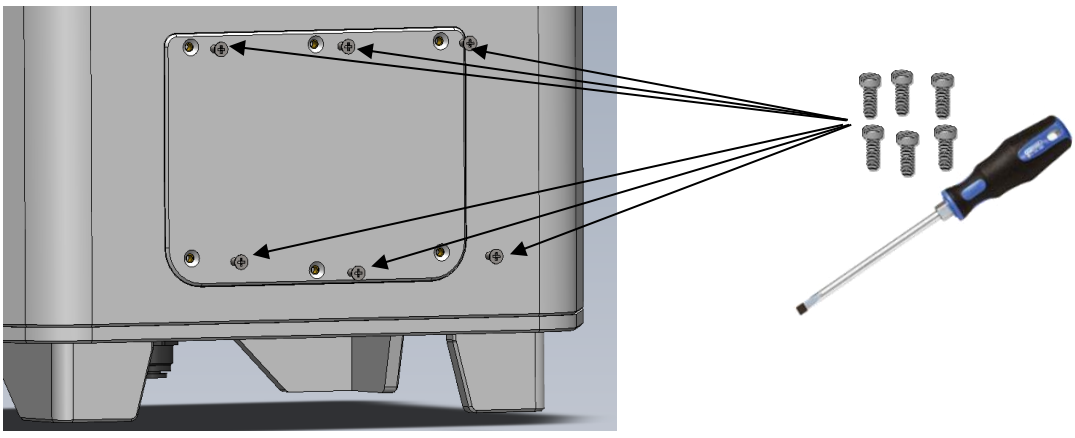
► Insert dowels according to the type of wall
► Fix the top screws first without tightening it completely
► Place the lower screw and tighten
► Tighten the upper screws
► Make sure the housing is stable and level

The device can also be placed on the floor or on a table. In this case it is necessary to ensure that the case is level.

4) Opening/Closing Terminal Block Cover

In order to guarantee the IP22 class, the front cover must absolutely be closed and screwed after use while ensuring the quality of the closing seal.

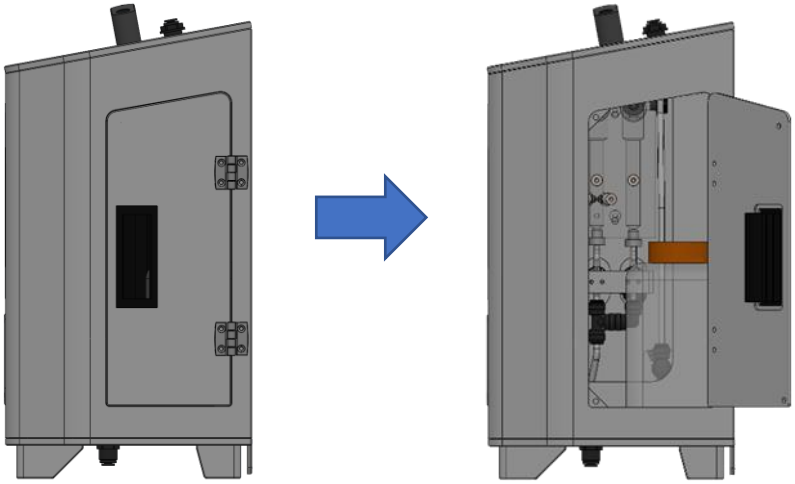
Use a proper screwdriver to unscrew the 6 mounting screws and open the cover.



5) Opening/Closing the Side Door

In order to guarantee class IP22, the side door must absolutely be closed after use while ensuring the quality of the closing seal.

The side door provides access to the canister compartment, the cable routing area and the jack socket for the 12Vdc power supply.



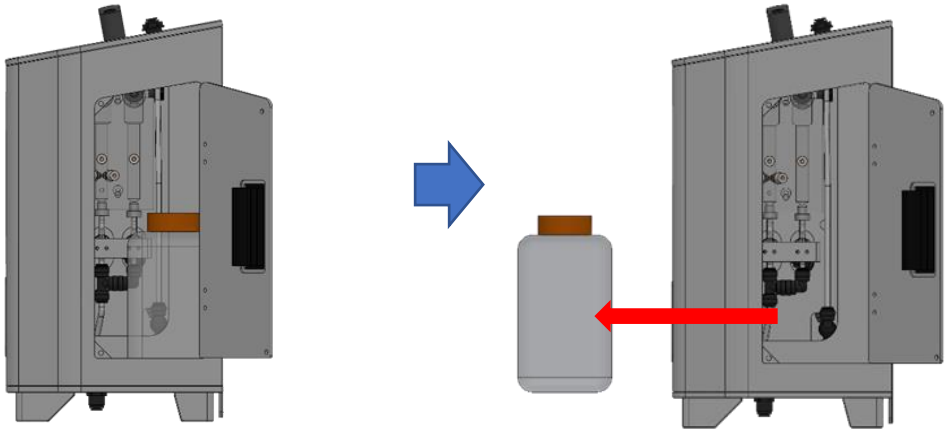
6) Electrical connections

Electrical installations must be carried out in accordance with the standards in force and by authorized personnel!
A 30-mA differential circuit breaker must be installed!
A 10A circuit breaker must be installed near the device and easily accessible to cut the primary supply. It must be marked as the cut-off circuit of the device.
Before making the connections, cut off the power supplies!

Preferably use single-strand cables
Otherwise, it is essential to use a crimped cable ends to ensure that no strand can come into contact with neighbouring cables!
Secure the wire connections on the terminal blocks using a cable tie.

7) Connecting the power supply

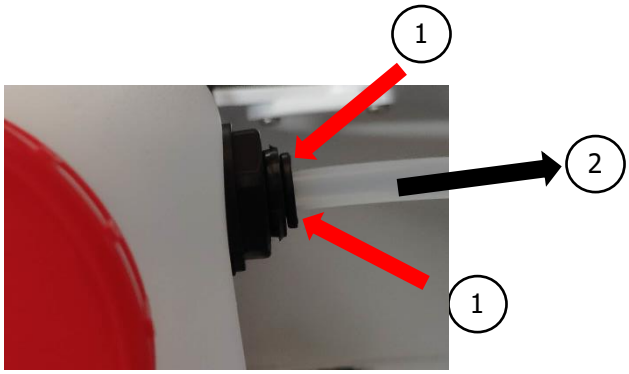
The SYCLOPE TrikloLive ® has a female jack in the side compartment of the device (door with handle) on which you must connect the male jack through the oblong hole under the device.

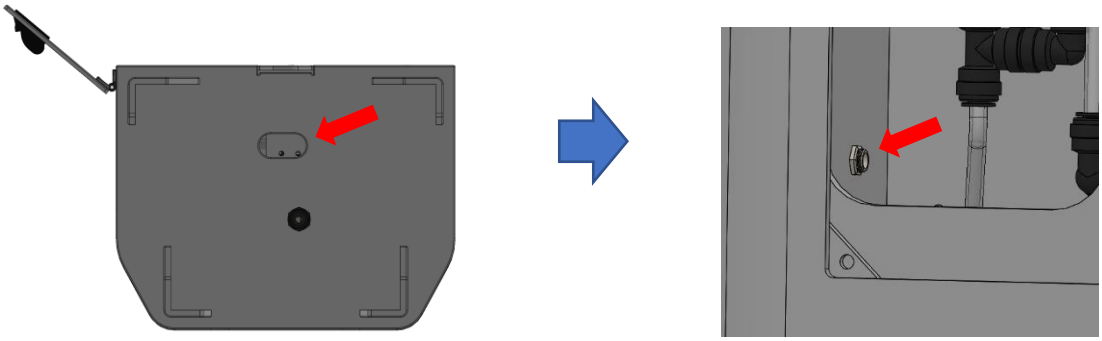


Step 1:
Open side door

Step 2:
Take out the bottle

To take out the bottle, disconnect the hose on the bottle. For this you had to press both sides of the hose on the quick coupling (1), and pull at the same time on the hose (2).





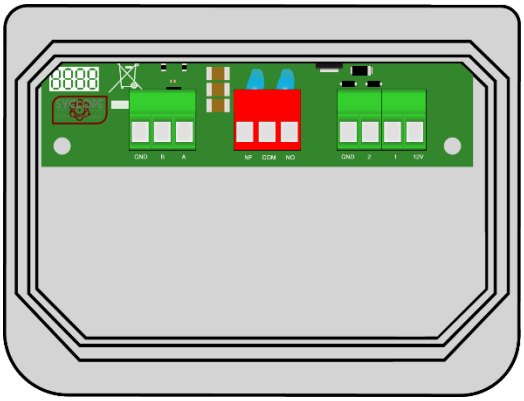
Step 3:
Pass the male jack through the oblong hole under the device

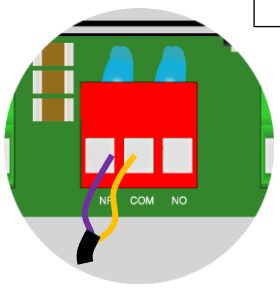
Step 4:
Plug the male jack into the female jack

Your **SYCLOPE TrikloLive** ® does not have a power switch, it is therefore powered directly by its external power supply.

8) Potential Free Relay Connections (FO1)

The relay outputs (48 VAC Max) can be used as alarm relay, regulation or be controlled in Timer mode as needed.



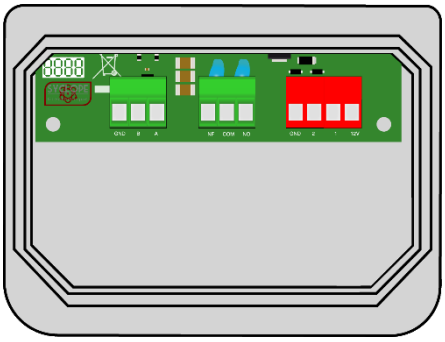


FO1

► Use a 2-wire cable with a cross section suitable for the voltage and current to be switched
► Remove the protective sheath
► Strip the wires on 7mm
► Run the cable through the oblong hole under the device then into the second oblong hole.
► Wire the middle point of the **COMMON (COM)** terminal block
► Wire the second wire either on the **WORK (NF)** connection or on the **REST (NO)** according to the function to be realized

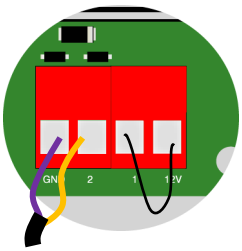
9) Connection outputs 4…20mA (AO1)

The 4…20 mA outputs are used to send information back to a GTC or to drive a metering unit via a 4…20 mA signal. The analog outputs are generative and operate with an internal voltage of 12 VDC. The maximum load is 500Ω.
4…20mA outputs are fully configurable. You can thus assign any parameter (measured or calculated) according to regulation or data transfer.



There are 2 possibilities for wiring. A version in which the device provides power but is not isolated, or the other version in which the device does not provide power but is isolated from the **TrikloLive** power supply**.**

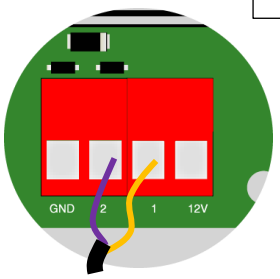
a) Cabling for **TrikloLive** version provides power and not isolated from its power:



AO1

► Use a 2-wire cable to make the wiring
► Remove the protective sheath
► Strip the wires on 7mm
► Run the cable through the oblong hole under the device then into the second oblong hole
► Wire the two wires of loop 4…20 mA to **2** and **GND**
► Short circuit between terminals 1 and 12V

b) Cabling for **TrikloLive** version does not provide power and isolated from power:



AO1

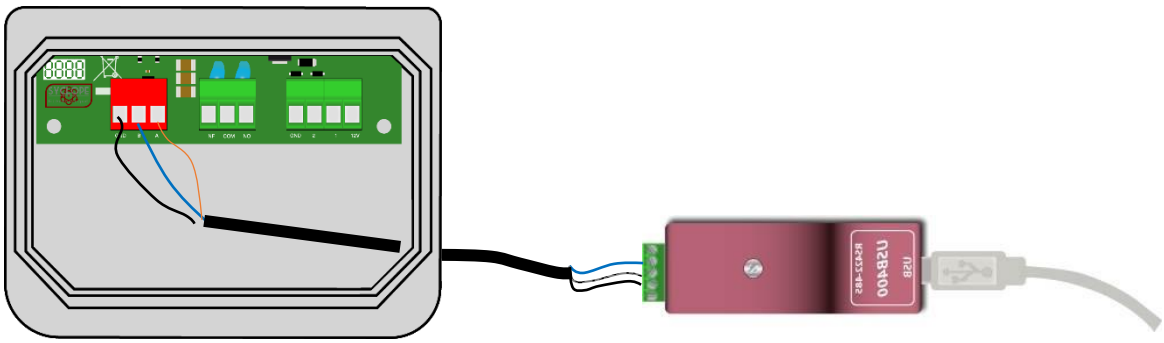
► Use a 2-wire cable to make the wiring
► Remove the protective sheath
► Strip the wires on 7mm
► Run the cable through the oblong hole under the device then into the second oblong hole
► Wire the two wires of loop 4…20 mA to **2** and **1**

10) <u>RS485 Communication Bus Connections</u>

The **SYCLOPE TrikloLive**® has an RS485 communication port to connect it to a computer equipped with a 485 port and a communication software to record the measurement values, alarms, and various states of the device.

a) Connecting to a USB port on a computer

► Use a 3-wire cable to make the wiring.
► Run the cable through the oblong hole under the device then into the second oblong hole.
► Cable AA' (n°3) from USB/485 converter to **RS485 (A).**
► Cable BB' (n°4) from USB/485 converter to **RS485 (B).**
► Cable C (n°5) from USB/485 converter to **PWR (GND).**



- Blue (terminal block n°3): AA' RS485
- White (terminal block n°4): BB' RS485
- Black (terminal block n°5): GND RS485

Configuration: All switches on **"ON "**

Contact us for more information about the product.

Respect the bus wiring.

A USB/RS485 converter is recommended to connect the **SYCLOPE TrikloLive®** to a computer. Please refer to converter documentation to realize the connection.

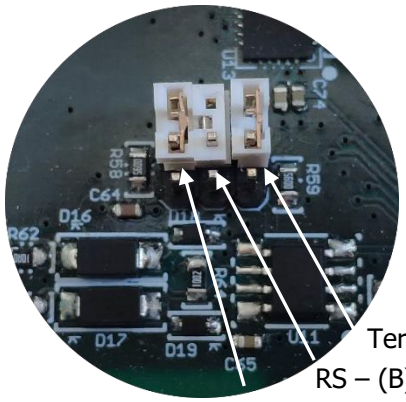
Reference	Name
INF1021	Converter USB => 485

Devices can be chained respecting the order of cables (Parallel wiring).

b) Polarization and termination of the RS485 bus

The bus can be polarized from your device if needed. To do this you must close the two micro-switches on the Pol electronic board. **RS+ (A)** and Pol. **RS- (B).**

If your device is the last of the line on the RS485 bus you can close the switch **Term.RS** to enable line termination.

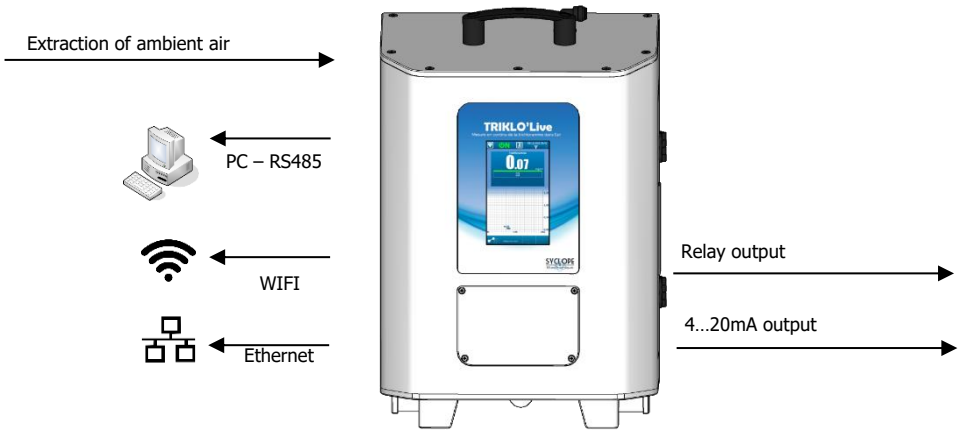


For safety reasons, it is imperative to turn off the power to your **TrikloLive®** before opening the case to switch the micro-switches!

V. General use

The **SYCLOPE TrikloLive**® is intended for measuring Trichloramine in the air in swimming pools.

The ambient air is collected through the suction pipe of the machine, then after a dissolved in a solution to finally be analyzed and determine the level of trichloramine in the air.



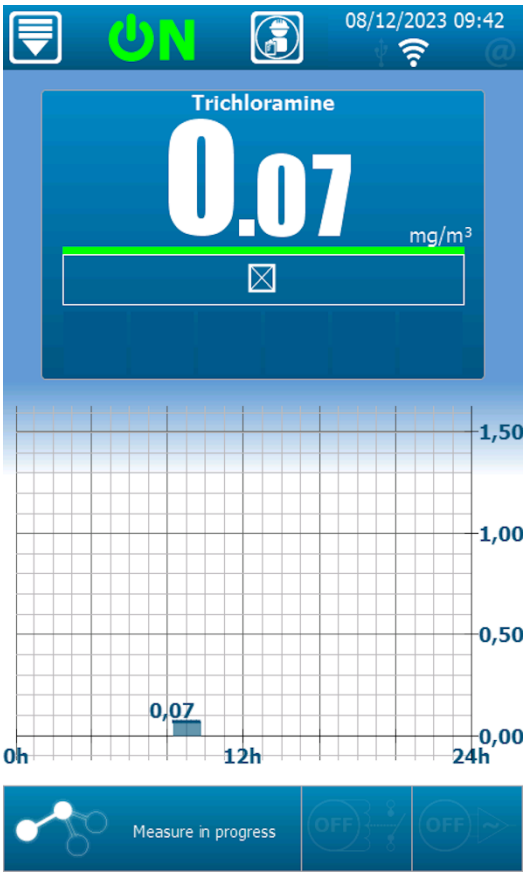
VI. Commissioning

You have just made the electrical connections and the connections of the various organs, so you are ready to make the commissioning of your **SYCLOPE TrikloLive®**.

Turn on the power.
Check that everything went well, that your device is turned on and that the other elements of your installation have not been disturbed.

The **SYCLOPE TrikloLive®** analyzer does not automatically run the air analysis on power up. The user is the only one in charge of starting the treatment after ensuring that the plant is programmed according to his needs.

The polarization time of the device is 6 minutes 30 seconds. This means that the first measurements of Trichloramine will only appear after 6 minutes 30 seconds. The image below will appear during stabilization.



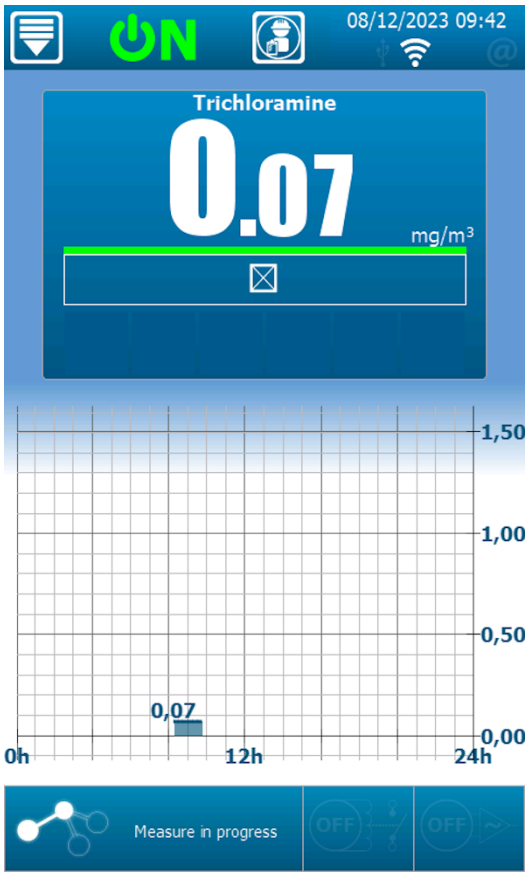
The **SYCLOPE TrikloLive®** comes with standard programming. It is appropriate for the user to modify this programming if it does not correspond to the needs. To change the programming of your controller, please refer to the following **SYCLOPE TrikloLive®** programming chapter.

VII. Display mode and type

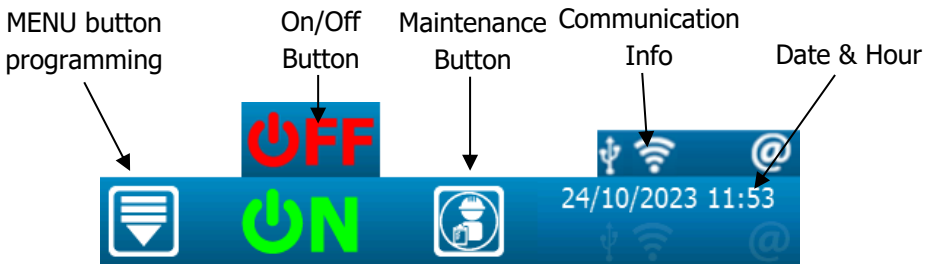
The **SYCLOPE TrikloLive**® analyzer has a full-color touch-screen display, so all programming actions are performed by pressing the screen. The technology of the touch panel is of resistive type, so it is necessary to make a firm press on the screen to validate the keys.

Make sure your **SYCLOPE TrikloLive**® analyzer is programmed correctly!

1) Main Screen Display Areas



a) The upper banner



Menu button programming – Press to open the menu

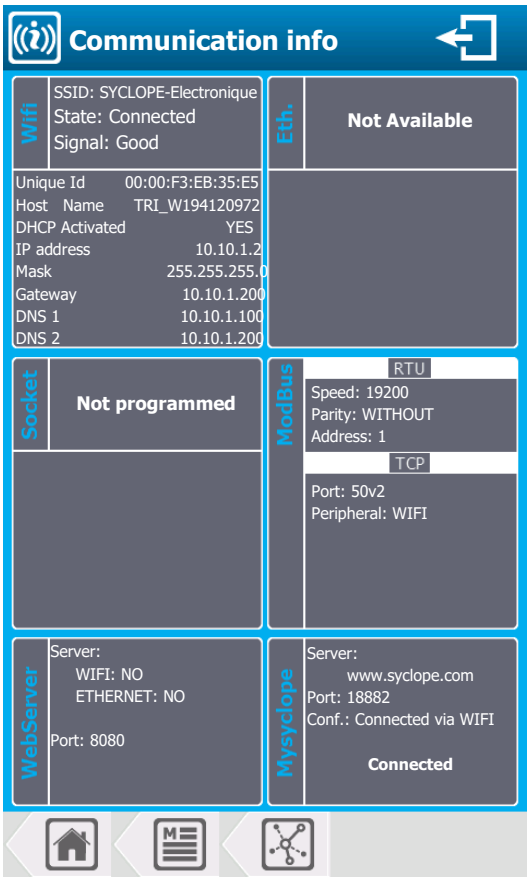
Maintenance button – Press to open the maintenance menu

Controller switched off – Press it to switch the controller ON

Controller switched on – Press it to switch the controller OFF

Communication Info

Press it to display communication information



Notifications

Inactives		Actives
	USB connection	
	Wifi connection	
	MySyclope connection	

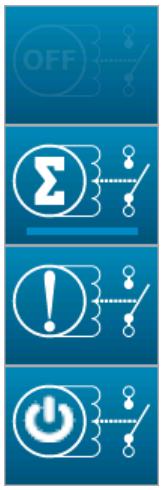
 No connections to MySyclope server

 USB key detected but not compatible, not readable (USB key must be formatted in FAT32)

 Connections to WIFI impossible

b) Lower banner

Outputs



Relay output non-Used

Relay output on Dosing mode

Relay output on Alarm

Relay output on State

4-20mA Output Non-Used

4-20mA Output on Dosing mode

4-20mA Output on Transfer

Device operation logo

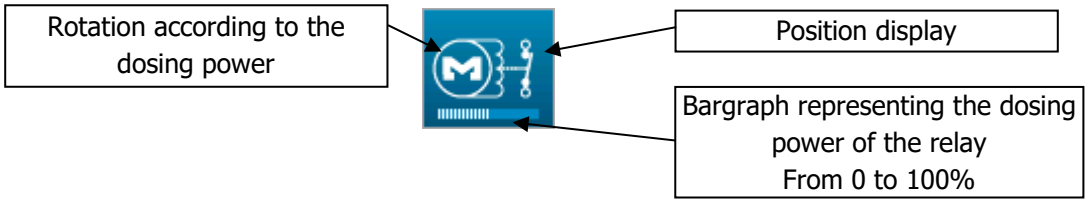
Device does not measure.

Emptying measurement chamber

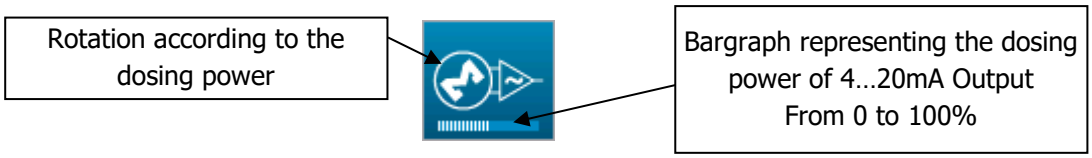
Current measurement.

Filling measurement chamber

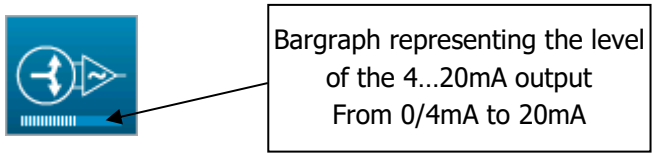
➢ **Relay output in Dosing mode**



➢ **4…20mA Output in Dosing mode**

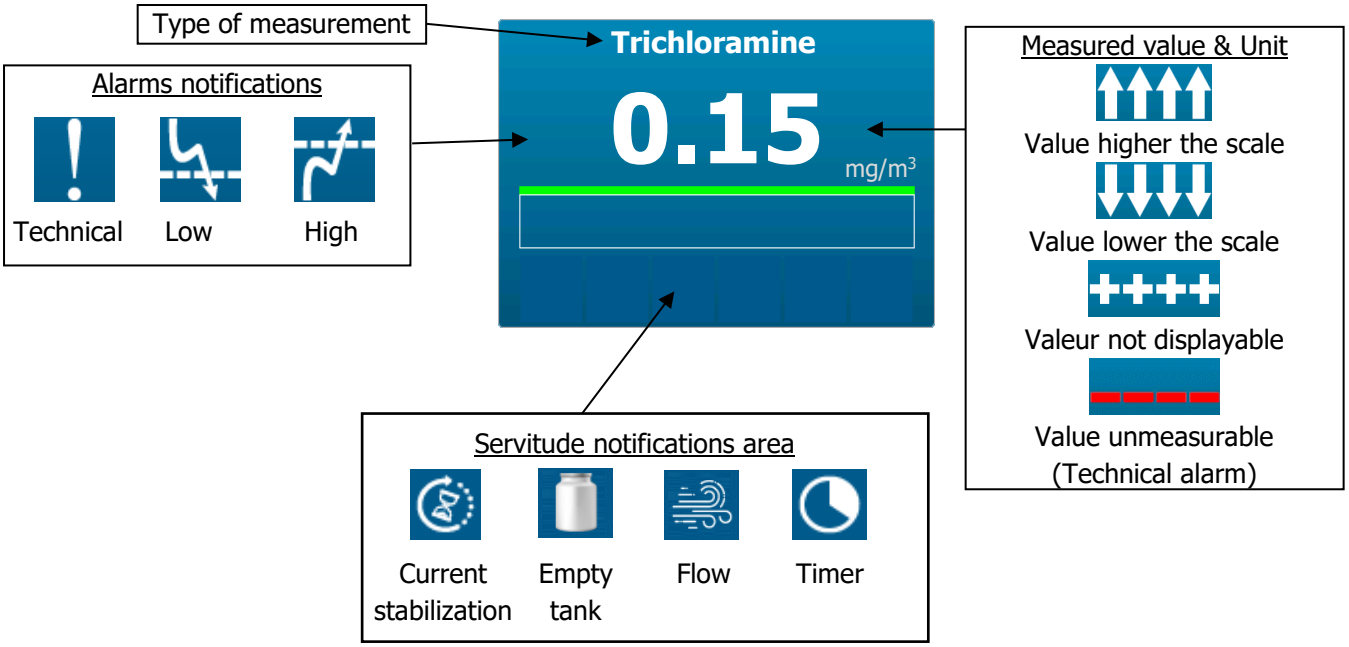


➢ **4…20mA Output on Transfer mode**



c) Measurement Display Details

Trichloramine measurement



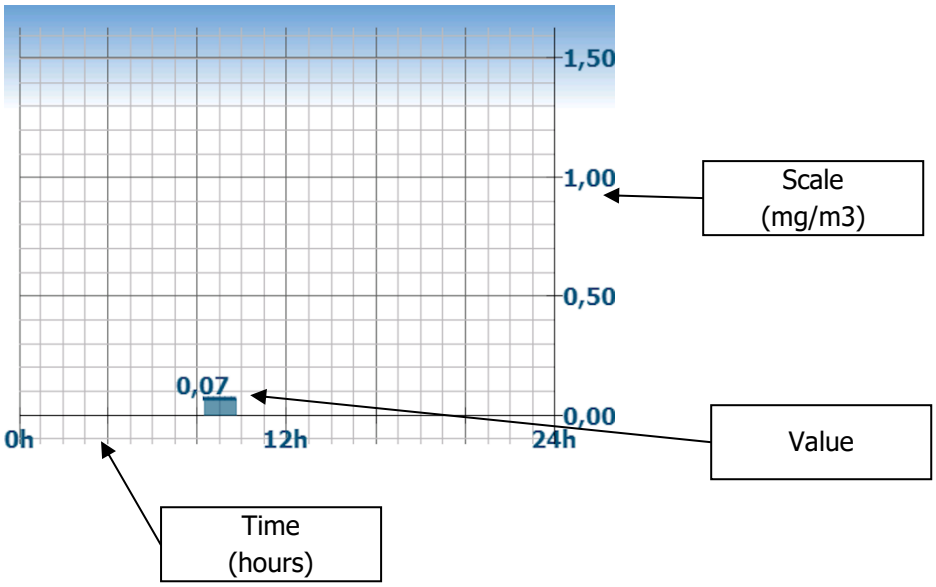
This logo means that the device is stabilizing. Stabilization takes 6 minutes and 30 seconds.

This logo means that the tank is empty. Put the analysis solution back into the tank.

This logo means that there is a flow defect. Check if the suction hose is not clogged.

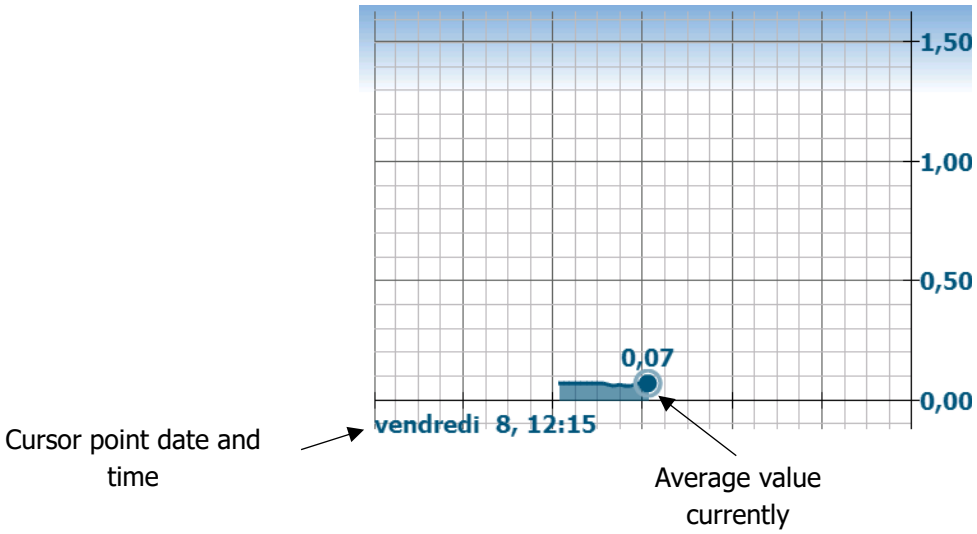
This logo means that there is a clock that is set is that we are in the time slot.

2) History



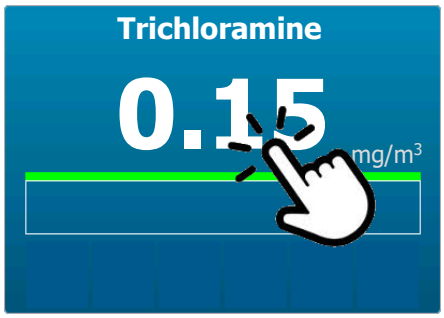
The graph above represents the measurement history of the current day.

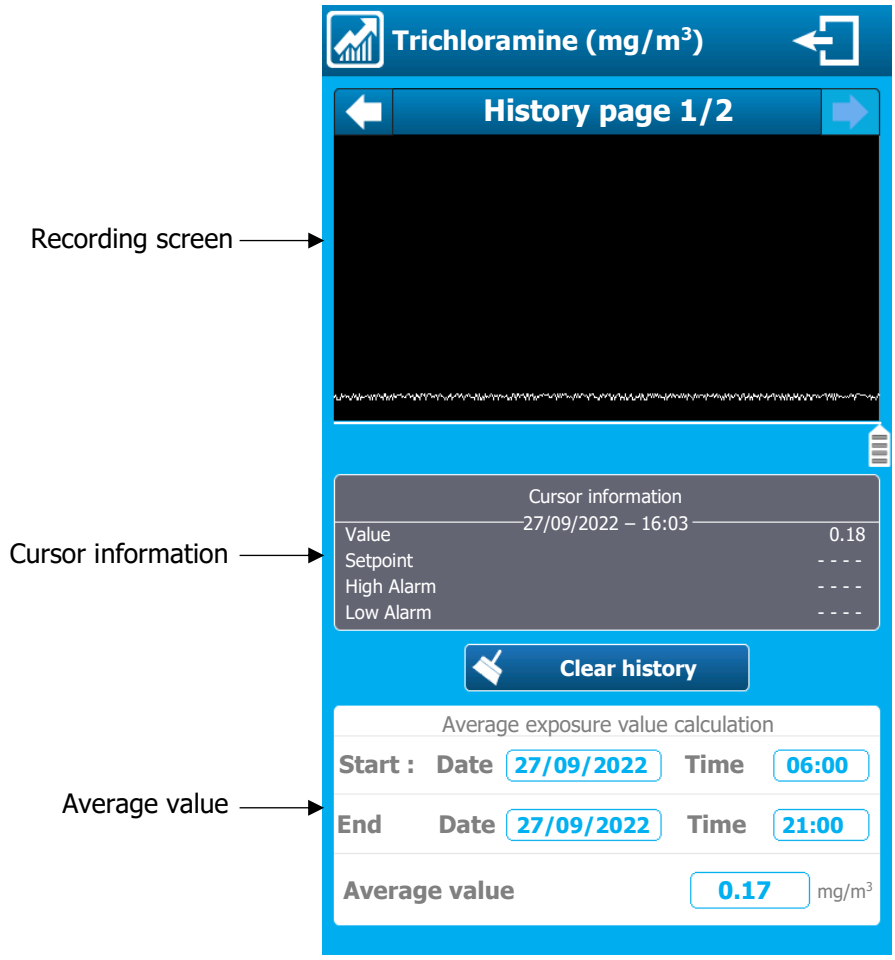
Click on the graph to display the information (date and time at the bottom of the graph):



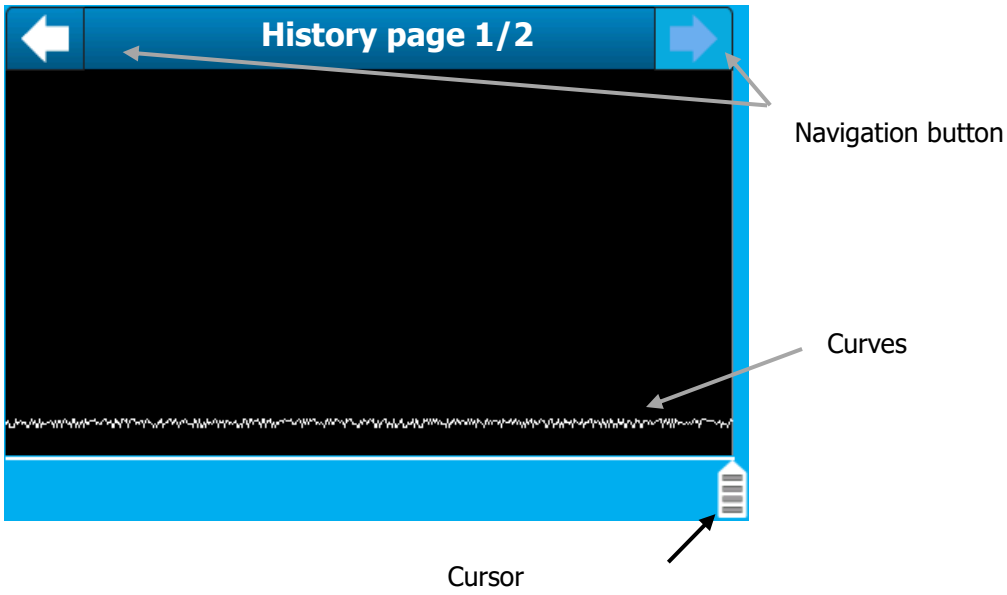
Move the cursor along the graph to choose the desired time.

Tap the value on the main screen to open the next screen:





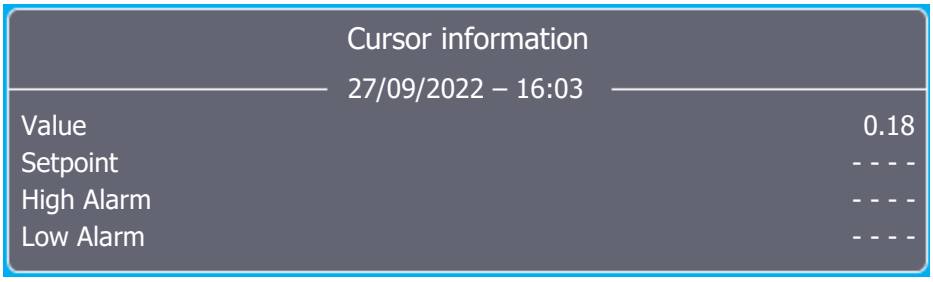
➢ **Recording screen**



- Cursor: Allow you to view the different information (Value, setpoint, dosage status…) over time by moving the cursor from left to right.
- Navigation button: The "Arrow" buttons allow you to move from one page to another (Active if the number of pages is greater than 1)

➢ **Cursor information**

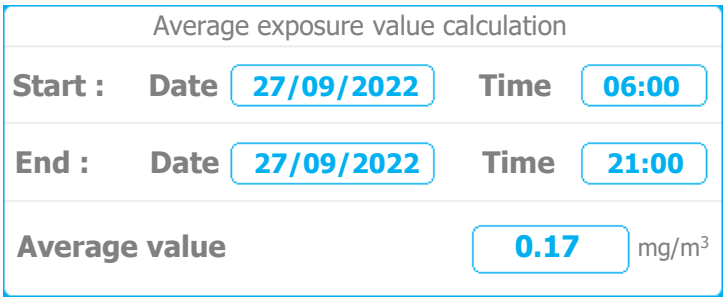
This part contains all the information (value, alarms, states…) of the channel at a given time (moment which can be modified by moving the cursor from left to right).



➢ **Clear history**

Press it to clear the history. The following window will open asking you to confirm or not to clear the history.

- **Average value**



This part allows to calculate the average value of exposure according to the information you provide.

- Enter the start date and time of the range whose mean value you want to calculate.
- Enter the end date and time of the range whose mean value you want to calculate.
- The device will automatically calculate the average value.

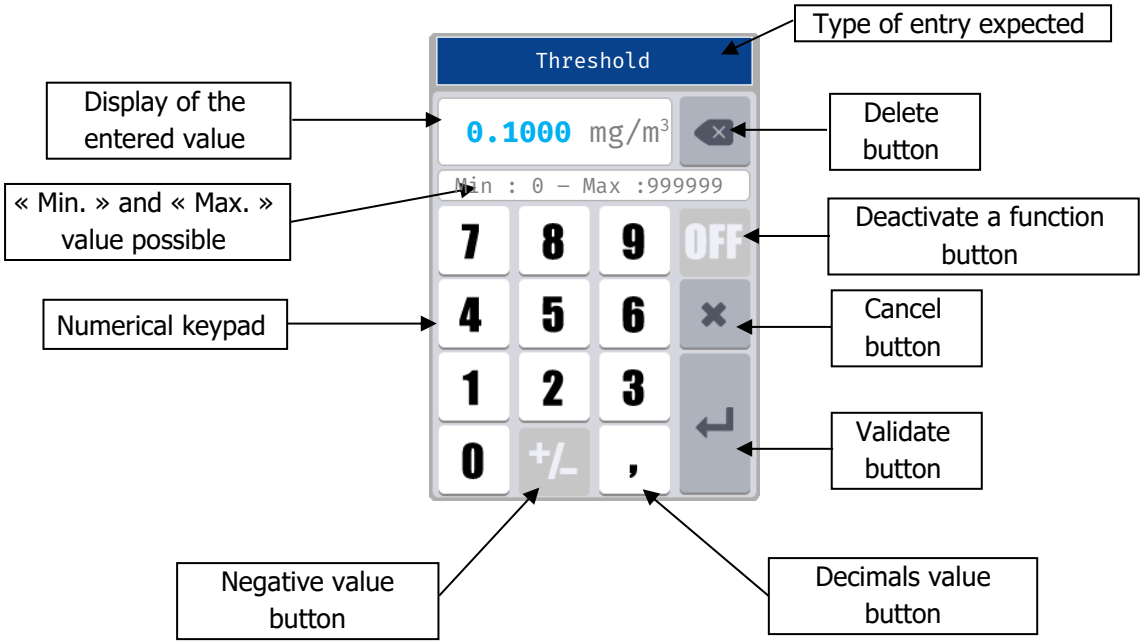
If "Average value" is grayed out, this means:
- No value during the selected time interval.
- Measurement time less than 85% over the selected time interval.

VIII. Input mode

The **SYCLOPE TrikloLive®** analyser has a 5" touch screen. All orders are made by pressing areas of the screen provided.

1) Numerical value entry screen

This screen will appear when entering a numeric value.



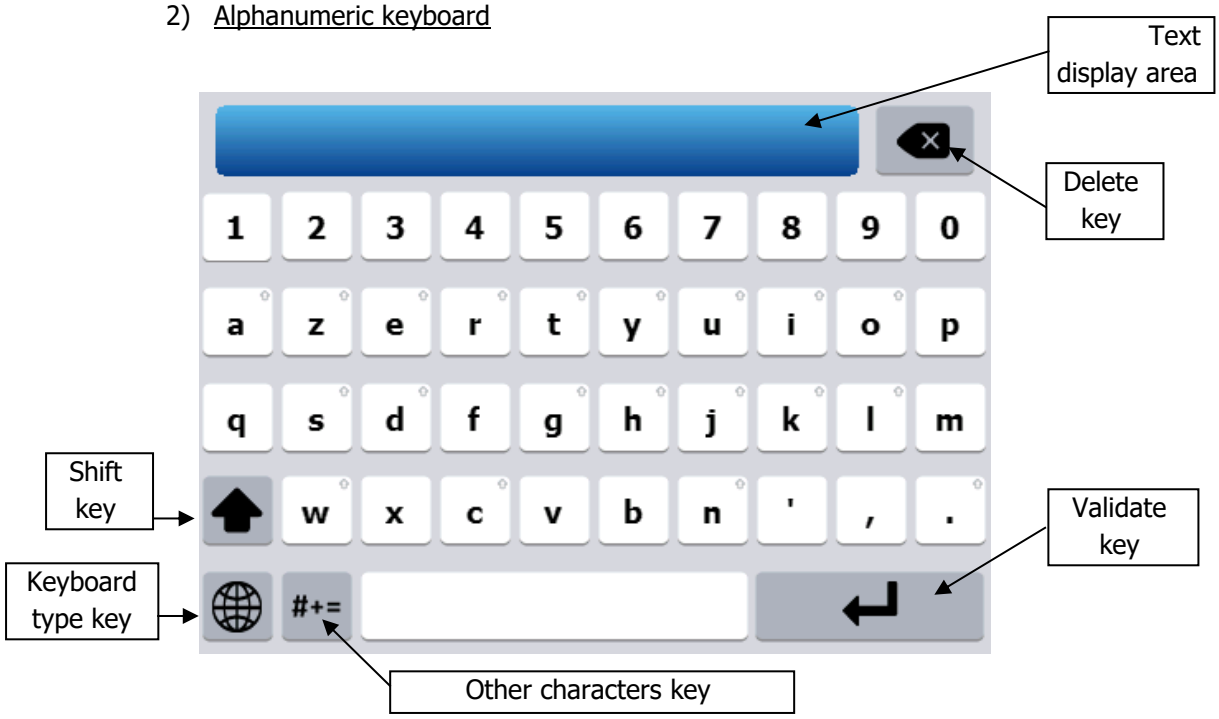
Depending on the values to be entered, some keys may be greyed out because they are not used for the expected value.

The decimal symbol changes automatically according to the language.

If an incorrect or out-of-scale value is entered, the « Min: 0 – Max: 14.00 » is displayed in red when you press « Enter ».

« OFF » button used to deactivate a value, example, deactivate an alarm threshold.

2) Alphanumeric keyboard



a) « Shift » key

This key switch the keyboard from lowercase to uppercase and vice versa. When this key is pressed, it will automatically switch again after pressing an alphanumeric key.

 K Key released and inactive => press  Key pressed and active

 Key not available ins this keyboard configuration

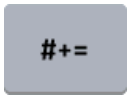
b) « Keyboard type » key

This key allows you to change keyboard type. Each language has its corresponding keyboard (AZERTY, QWERTY, QUERTZ…). It is also possible to display the keyboards of the other language by pressing the key below.

 Key released => press change keyboard type.

c) « Other characters » key

This key switch the keyboard to symbols or other characters not available in the lower and upper case.

  Key released lowercase uppercase mode active.

=> Press

  Key pressed other character mode active.

d) « Back » key

This key deletes the last character entered.
Press to delete the last character.

e) « Enter » key

This key closes the keyboard while saving the changes.

Tap to close and save.

f) Special case of access to accented character keys.

To access accented characters, press and hold the corresponding unaccented character for more than 2 seconds to display the list of available characters. This list close automatically when any character is pressed.

Example: Press the lowercase "a" key for 2 seconds

All keys with this symbol at the top right have additional characters accessible by pressing them for 2 seconds.

3) Main input elements

a) Opening a selection list

Open a list Press to open a list.

b) Multi selection button

Check box Press to change the state Inactive/Active

DI1 DI2 DI3 DI4 DI5 SI1 Multi selection version, press the item to select

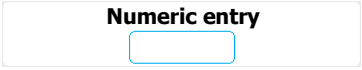
State box NC Press to change the state NO / NC

Direction box Up Press to change the direction

c) Unique selection button

Press  to active state select 

d) Input button



Press 

to open numerical keyboard.

e) Action button

Save a configuration

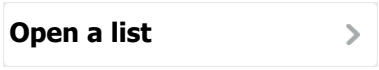
Delete a configuration

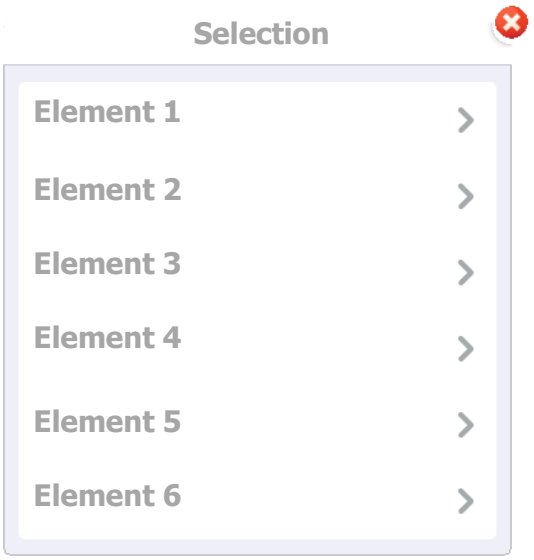
Back button, back to the previous screen.

« Save » et « Back » button,
When a modification is made on a screen, the « Back » button is displayed in orange and « Save » button appears.
Press « Back » to leave without save.
Press « Save » to exit saving changes.

f) Selection list

When an action is symbolized by this type of button, a list will open with the corresponding elements.



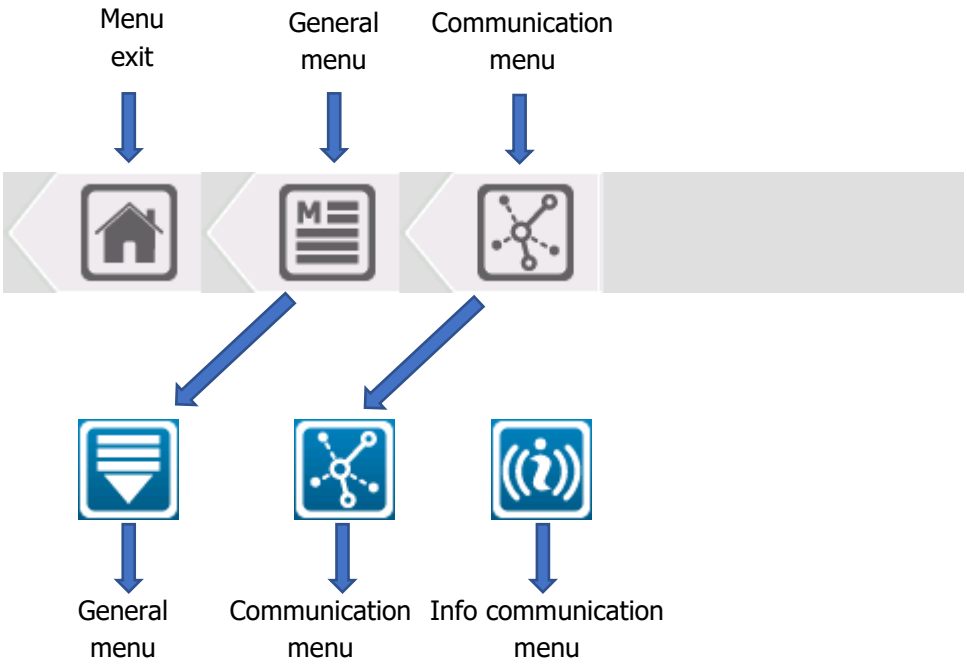


-  Close the list without selection
- **To select an element press it**

g) Navigation bar

In the programming menu each selection of a function adds a button in the navigation bar. It is possible at any time to go down one or more levels in the programming by clicking on one of the menu buttons.

Example:



Icons in the navigation bar correspond to the identification icons in the top left of each screen.

h) Lock symbol

Padlock symbol is used when a menu is locked by a password or when an option is locked by configuration.

IX. Annexes

1) Menu « Installation » – « INITIALISATION USINE »

Press  then 

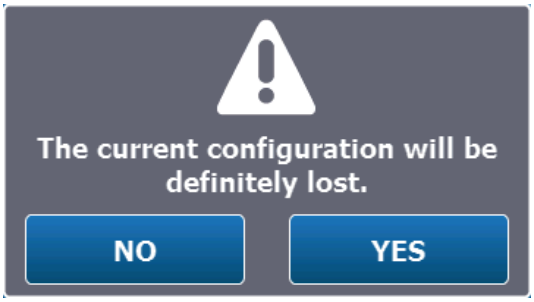
and 

to display the popup below.

« Reset Factory» will allow you to reset the controller configuration by choosing a few predefined operating options.

- Press the button 

to display the following popup window



- So, you can reset or not the User and Communication configurations in addition to the installation and adjustment section.

It is also possible is necessary or request from technical support to reset only Communication or User part by checking only the box concerned.

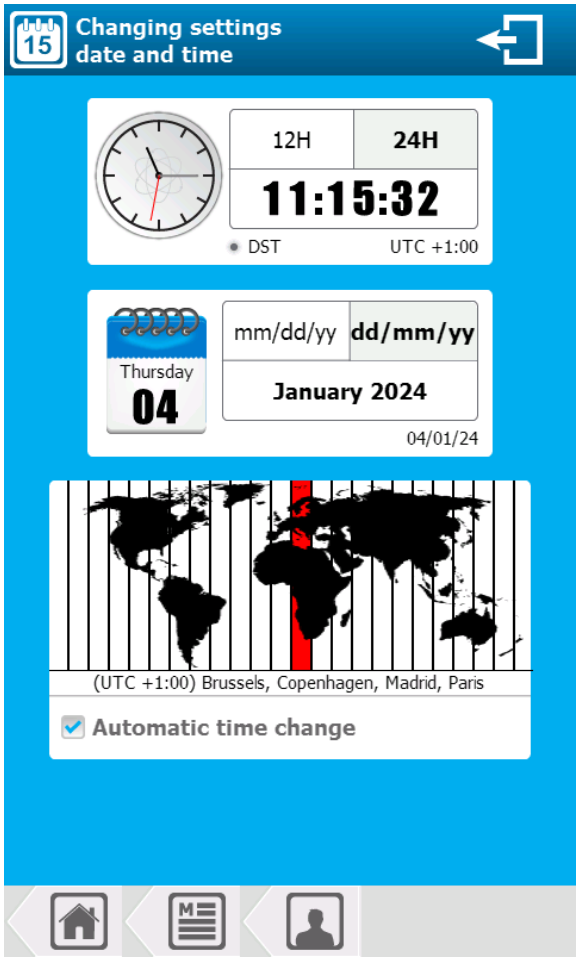
2) Menu « Utilisateur » - « DATE & HEURE »

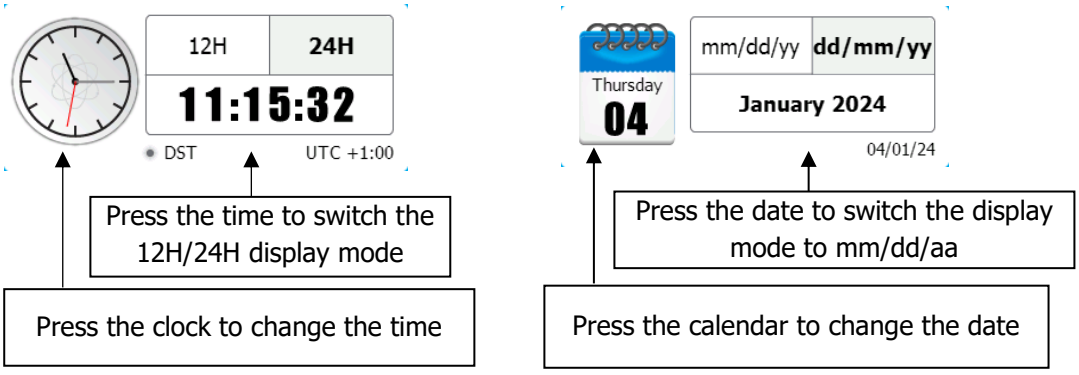
Press  then 

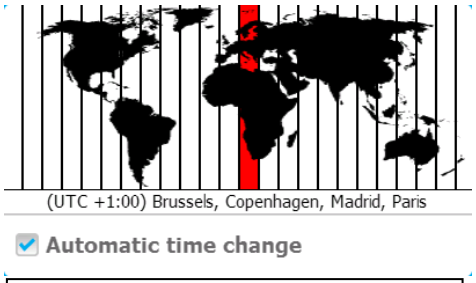
and 

to open following screen.

« DATE & TIME » menu will allow you to access the configuration of the time parameters.







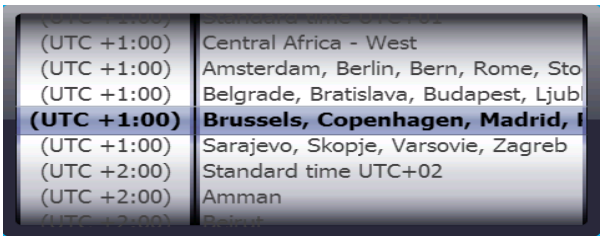
Press the map to change the time zone

➢ **Automatic time change**

- If the selected time zone has summer time / winter time management, your controller will change the time automatically. You can cancel this automatic time change by unchecking this box.

➢ **Time zone change**

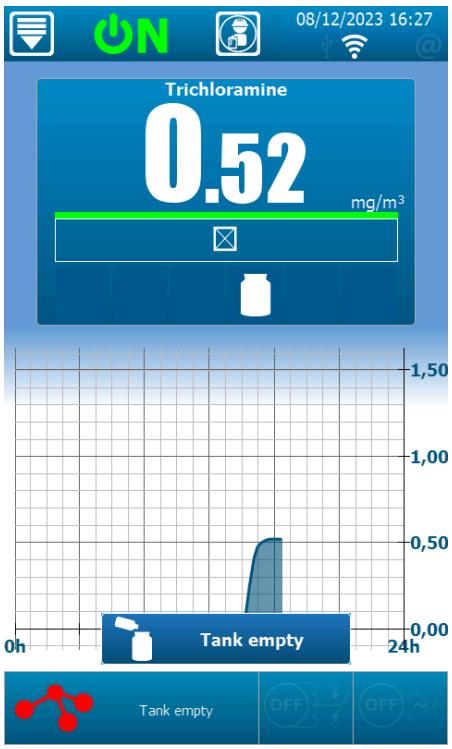
- Press the map
- Scroll up or down the list, by pressing and holding, until the desired zone is in the central part of the selection.
- Wait for automatic closing to take the new time zone in account.



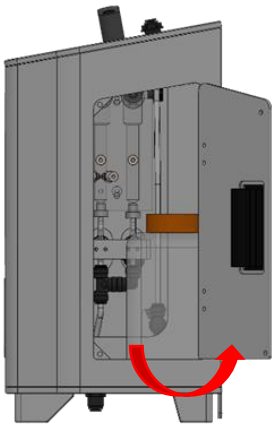
3) Refill the analysis solution bottle

When the symbol  appears as well as the "Empty Analysis Liquid Reserve" button and the logo  became red means that there is no more analysis solution in the bottle and it must be filled.

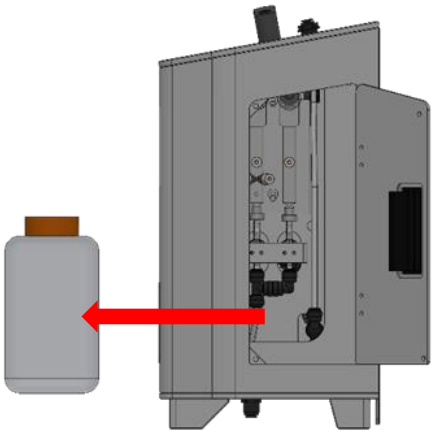
Here are the different steps to perform in order to fill the can:



Step 1:
Appearance of the symbol, button, and red logo.



Step 2:
Open side door



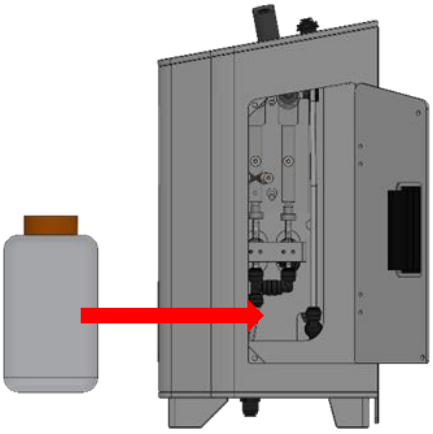
Step 3:
Take out the bottle

Be careful not to touch the electronic cards with your fingers when handling them.

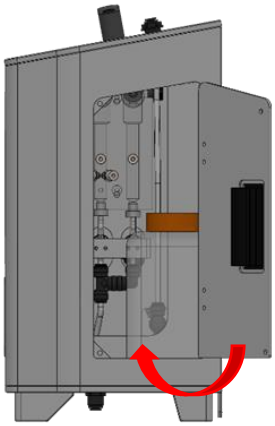
Step 4:
Open the bottle

Step 5:
Fill the bottle with the solution

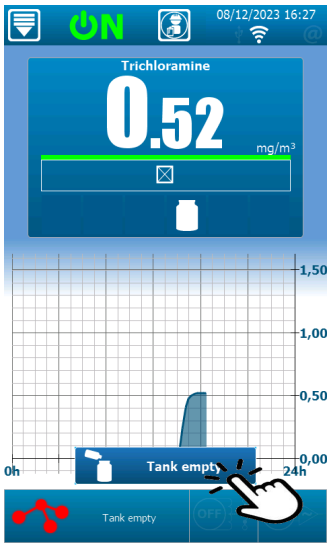
Step 6:
Close the bottle



Step 7:
Put the bottle back in the machine



Step 8:
Close side door

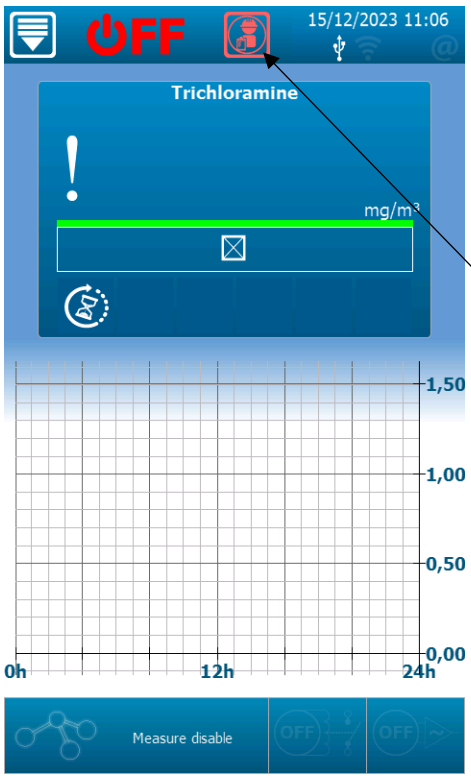


Step 9:
Press the "Empty Run Liquid Reserve" button.

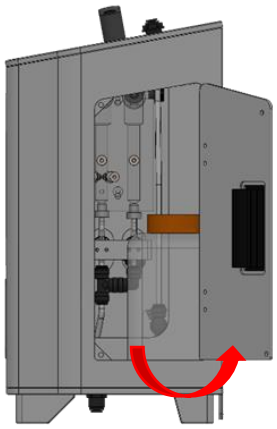
4) Droplet catcher draining

When the symbol  appears (every 14 days) it means that the droplet catcher is empty.

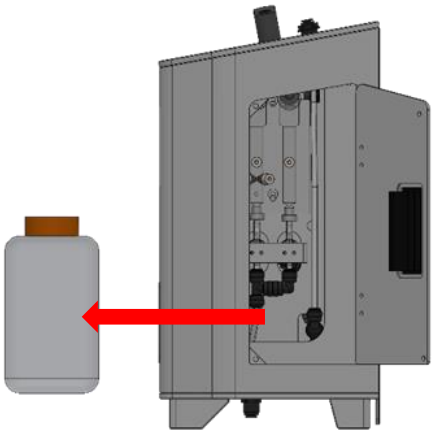
Here are the different steps to follow:



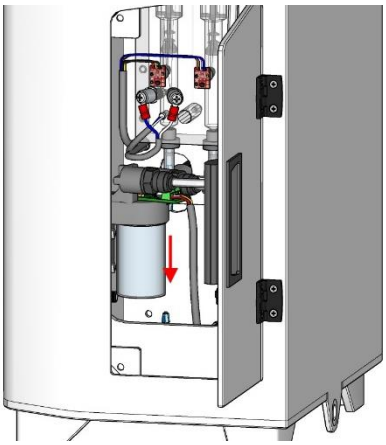
Step 1:
Appearance of the pop-up.



Step 2:
Open side door

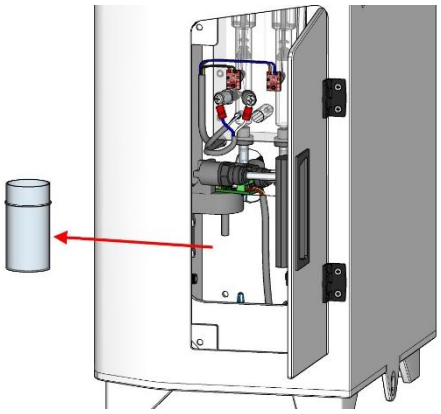


Step 3:
Take out the bottle



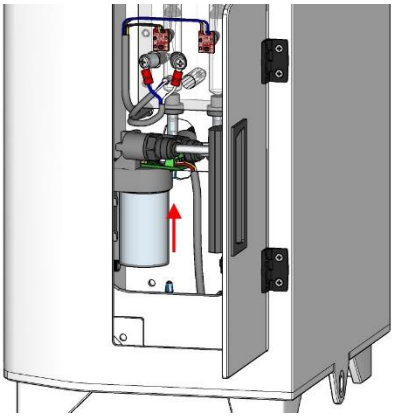
Step 4:
Unclip droplet catcher

Be careful not to touch the electronic cards with your fingers when handling them.

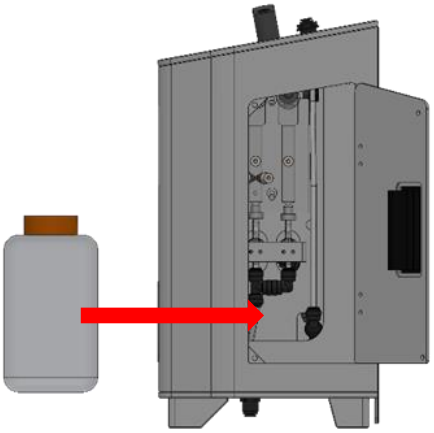


Step 5:
Take out the droplet catcher

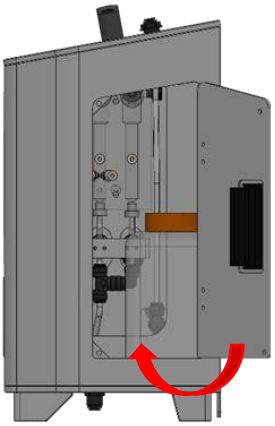
Step 6:
Drain the droplet catcher



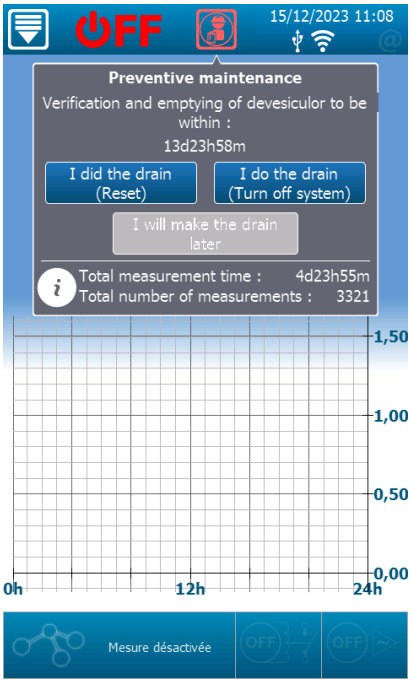
Step 7:
Replace the droplet catcher



Step 8:
Replace the bottle in the device.

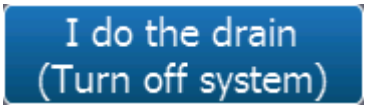


Step 9:
Close the side door



Step 10:
Click on the red logo then click on «I did the emptying»

Once the droplet catcher has been emptied, click on this button to reset the counter.



This button stops the machine (OFF) and resets the counter. The droplet catcher must be drained before restarting the machine.

Exits the menu.

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