

Quick Start Guide

Hydro Touch

Economically Optimise Water Quality



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The Syclope Hydro is an ultra-economical Chlorine, pH, ORP or Free Chlorine (FAC version) controller. With separate ORP and pH probes, and an intuitive touch screen, it can meet any budget requirement while delivering economical yet consistent results. Onboard peristaltic pumps keep capital costs to a minimum.

Main Features

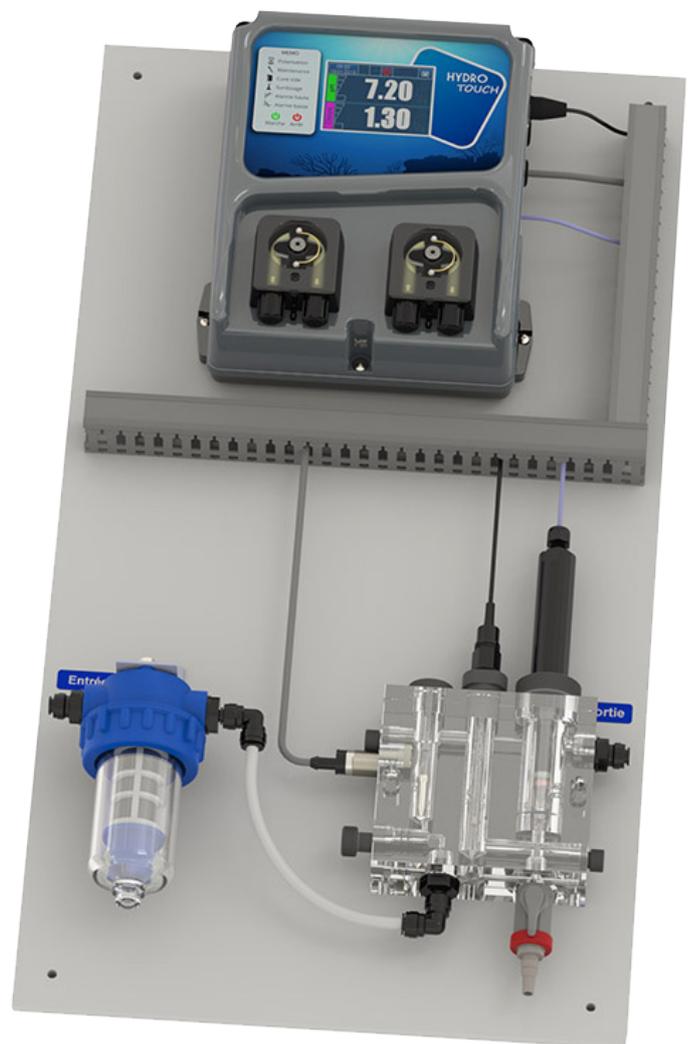
- Measurement of pH and ORP, optional upgrade to pH and Free Chlorine
- Direct reading in mg/l equivalent to DPD1 with FAC version
- ORP version uses inline probes
- FAC version pre-assembled and pre-wired panel for easy use and installation
- FAC version with analysis cell, flow switch and probe flow adjustment
- Self-diagnosing feed rates with overfeed alarms
- Adaptable to all domestic pools and spas

Measurements

- ORP
- pH
- Optional Chlorine

Advantages

- Simplified commissioning
- Large touch screen for better visualisation
- Commercial quality, independent pH and ORP probes
- Self-cleaning chlorine probe
- Ease of use
- Low maintenance and low consumables
- Self-priming peristaltic pump to avoid siphoning of chemicals
- Remote monitoring (optional)



Technical Specifications (ORP Version)

	CHY0454AU	CHY0444AU	CHYT0454A	CHYT0444AU
Timer for pool pump	No	No	Yes	Yes
Temperature Measurement	Optional			
Proportional Dosing Control	Yes			
Chlorine Output	GPO (Chlorinator)	Liquid Chlorine	GPO (Chlorinator)	Liquid Chlorine
pH Output	Liquid Acid			
Tank Level and Alarm Relay	Optional			
Self-Diagnosis and Calibration	Standard			
Probe Location/Panel mount	Inline sensors, no panel			
Display 3.5" touch screen	Standard			
Remote Monitoring	Optional with Waterlink modem			

Technical Specifications (FAC Version)

	CHY0434AU	CHY0433AU	CHYT0434A	CHYT0433AU
Timer for pool pump	No	No	Yes	Yes
Temperature Measurement	Optional			
Proportional Dosing Control	Yes			
Chlorine Output	GPO (Chlorinator)	Liquid Chlorine	GPO (Chlorinator)	Liquid Chlorine
pH Output	Liquid Acid			
Tank Level and Alarm Relay	Optional			
Self-Diagnosis and Calibration	Standard			
Probe Location/Panel mount	Sensors in probe block, panel mounted			
Display 3.5" touch screen	Standard			
Remote Monitoring	Optional with Waterlink modem			



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In The Pack



Hydro Touch Unit:
see previous page for
Model Designations



Standard
solution pH7



pH sensor
ORP sensor



pH and ORP
sensors
mounting kit



Product
injection kit



Tank bottom
valve



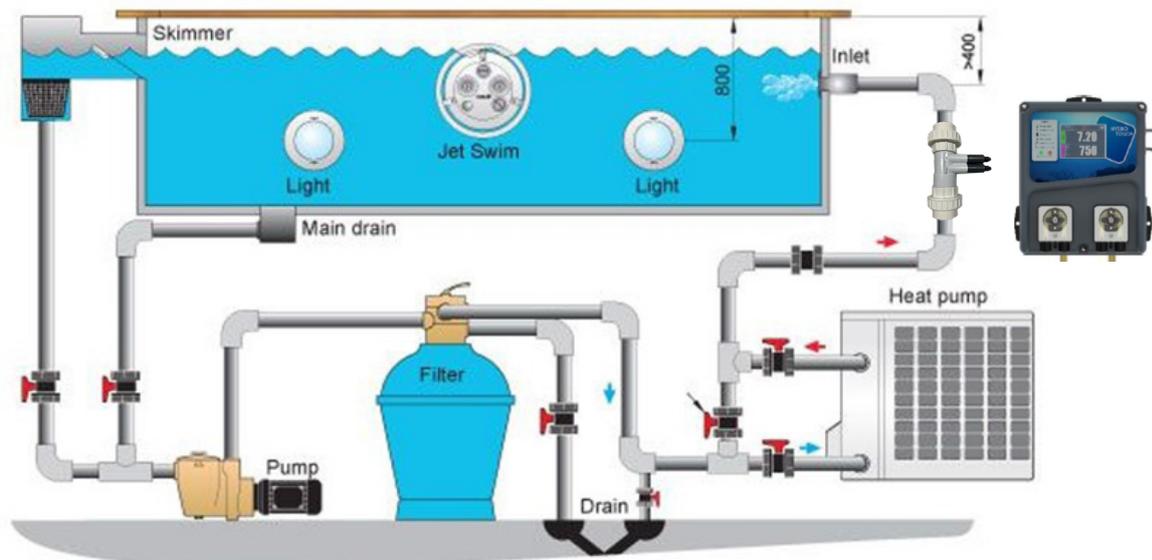
Tubings for pH
ORP pump



Wall screws
kit

Installation

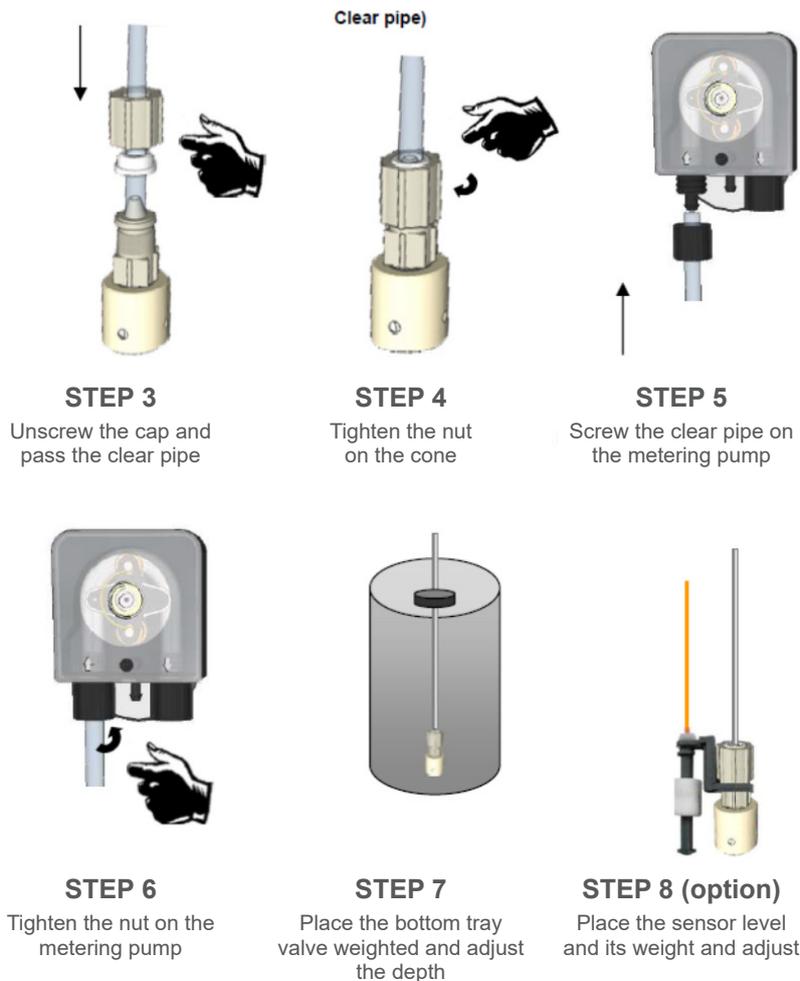
1. Turn off all power to all equipment including the Pool Filtration Pump and any other ancillary devices.
2. If the plant is below water level, isolate the plant from the pool water by closing the valves.
3. Mount the controller on a solid vertical surface such as the wall of a house that is out of direct sunlight and rain, within 2 meters of the return to pool line.
4. Cut the probe injection assembly into the return line of filtered water back to the pool. This must be at least 1.5 meters after the heater, and ideally have a spring-loaded check valve between the injection tee and the heater.



5. Teflon tape the Product Injection Kits for Acid (And Liquid Chlorine if applicable) into the shorter two stubs in the probe injection assembly. If the unit only has an acid pump, use the blanking plug to block off the unused port.
6. Screw the probes into the two longer stubs all the way by hand. Do not use tools or Teflon tape, the O-ring should seal.
7. Connect Acid/Chlorine lines as follows:



Mounting procedure for flexible suction pipe:



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Connecting the pH and ORP sensors on the Hydro Touch device:



Electrical connection:



If your HydroTouch is designed to control a salt chlorinator, install it as per its instructions and plug it in here. **Caution! 3 Amps Maximum. Do not plug a pool pump in here.**

If your HydroTouch is a timer version with pump socket, install it as per its instructions and plug it in here. **Caution! 7 Amps Maximum.**

8. Open any isolation valves closed in step 2. Plug all leads in and run pump. Check for leaks, tighten if necessary.
9. With the chemical lines connected in previous steps, half fill the chemical drums with water. Press on either pH or ORP number to enter the menu



Press on pH to prime acid pump, press on Redox to prime Chlorine pump or chlorinator



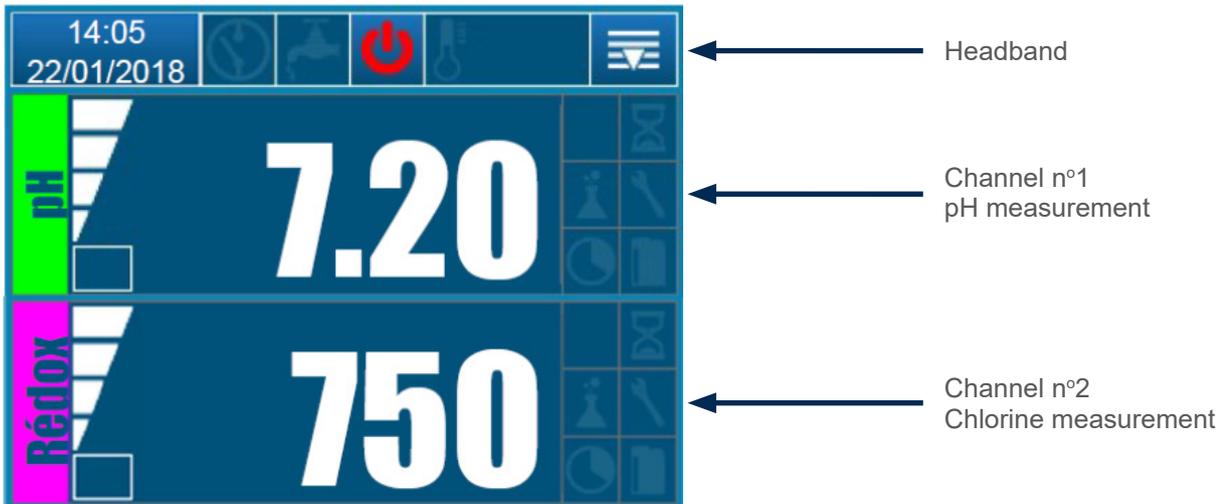
Press here to prime pumps

10. When the pumps are fully primed and water is being injected into pool line, check for leaks on the injection tee and all connections in the chemical lines.
11. When all lines are proven watertight, empty the water out and replace with pool chemicals.

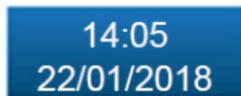
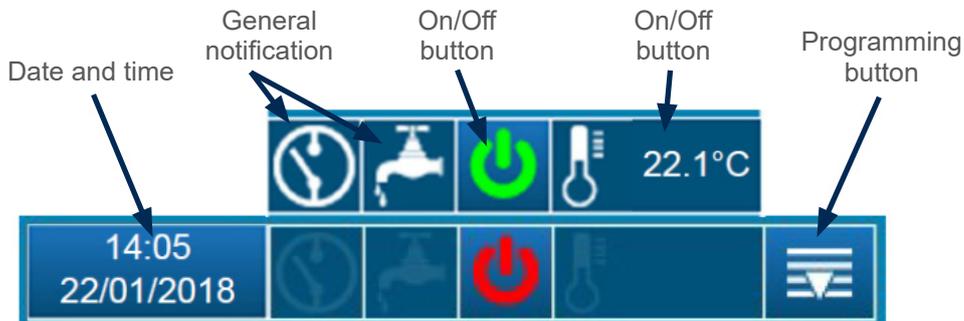
Caution: Never mix chemicals, and always wear PPE such as gloves and goggles!

User Quick Start Guide

As soon as you turn on your device, the startup screen appears with the **Hydro Touch** controller logo. Then, the main screen appears with the display of measured parameters.



Headband settings:



This button is used to set the date and time. Press to open the setting menu.



When this icon is present, it indicates that the remote input is in alarm.



When this icon is present, it indicates that flow switch input is in alarm.



Controller running (green icon) - Press to turn the controller off.



Regulator stopped (red icon) - Press to turn the controller on.



This icon is used to display the temperature.



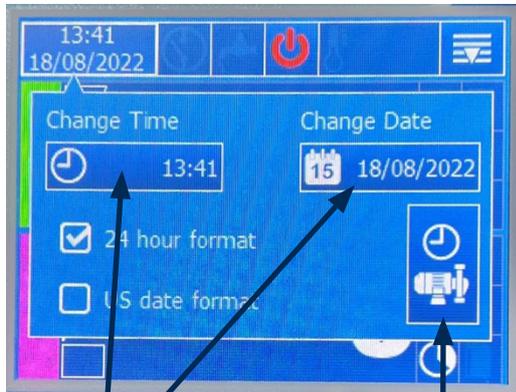
This button is used to access the menu for programming the machine parameters. Press to open the menu.

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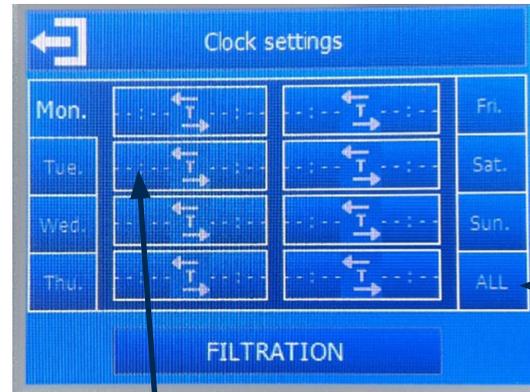
Setting the time and date (and pump timer if applicable):

Press on the date and time icon in the top left-hand screen to bring up the date/time screen.



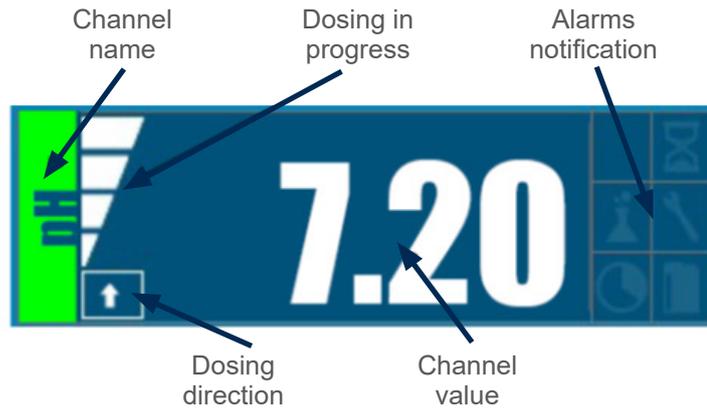
Press here to set the Date and Time

If you have a Timer version, press here to set the pool pump timer



Set the Pool Pump Timer here. You can set individual times for each day. To set the same time every day, enter the start and stop times in "ALL"

Display details of a channel



The icon lets you know the direction of dosing (upstream or downstream) set of the channel.



This icon lets you know the percentage of dosing in progress of the channel. Example here the dosing is 75%



This icon lets you know if the low alarm is active.



This icon lets you know if the high alarm is active.



This icon lets you know the polarisation time delay.



This icon lets you know if the overdose alarm is active.



This icon lets you know if the sensor need to be calibrated or changed.



This icon lets you know if the timer is active.



This icon lets you know if the bottom tank alarm is active.



Measured value



Value lower than the scale



Measured value



Measured value

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Channel settings:

Note: To display this screen, you must press the desired channel from the main screen.



This button allows you to leave this screen and record the new parameters of the channel.



This button allows you to prime the pump of the channel.



This button allows you to set the low alarm threshold of the channel.



This button allows you to set the high alarm threshold of the channel.



This button allows you to set the setpoint of the channel.



This button cancels the overdose alarm of the channel.



This button cancels the polarisation alarm of the channel.

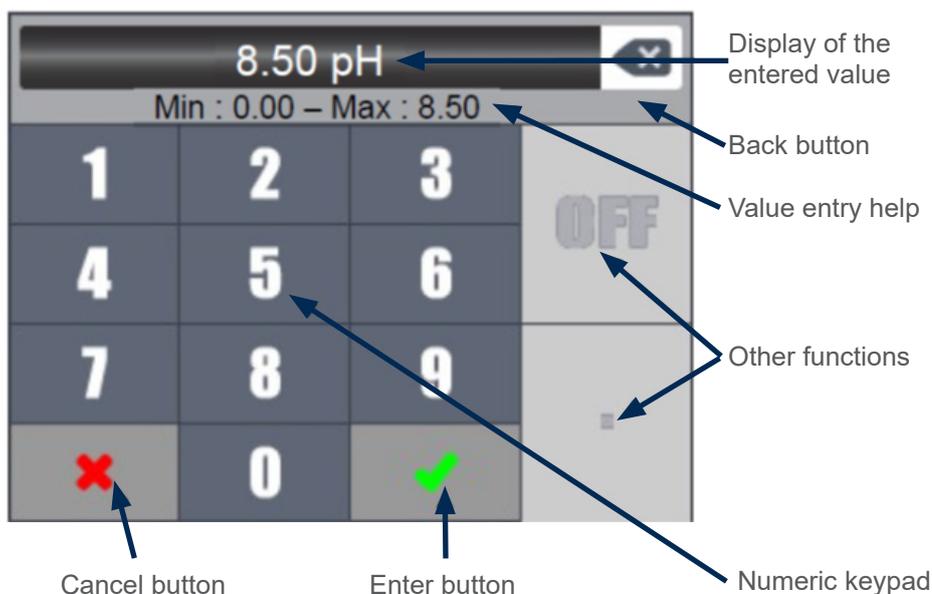


This button allows you to calibrate the channel.

Note: The configuration of the channel will be effective when closing the screen, pressing the return and validation field.

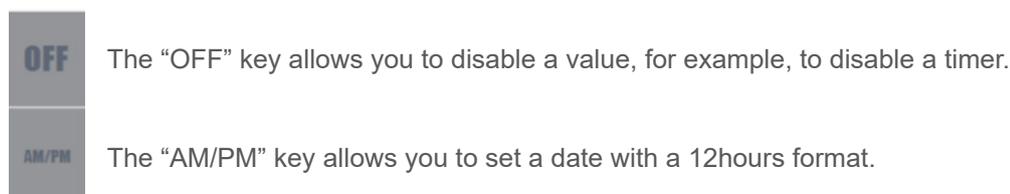
Note: If the channel configuration screen closes itself by exceeding the waiting time, the parameters will not be saved.

Input screen for a numerical value



Note: Depending on the values to be entered some keys may be greyed out because not used for the expected value.

Note: If the value entered is out of range, when enter is pressed the input help area will be displayed in red to alert you of the input error.



What pH and ORP Value should I set my unit to?

Always manually balance the pool to the required levels before setting the setpoint.

We recommend setting the pH setpoint in most indoor and outdoor pools and spas to somewhere between 7.4 to 7.6.

For the Chlorine setpoint, the mV levels can change from season to season and some normal pool chemicals can interfere with the measured value. Therefore follow this procedure:

1. Manually dose the pool to the required set point, ideally between 2 to 5 ppm Free Chlorine
2. Run filter for a few hours to ensure thorough mixing and stable measurement readings on the Hydro Touch
3. Take note of the displayed mV reading on the screen
4. Press on the mV reading to adjust the setpoint- set at the current mV reading
5. The Hydro Touch unit will then roughly maintain the current set point
6. Test the water after 24-48 hours to ensure the Free Chlorine is maintaining at correct level

Note: A dosing system does not take the place of manual testing! Ensure you are regularly testing your pool water manually to adjust for seasonal variations- weekly in summer and fortnightly in winter. See your pool professional for assistance if needed.

For best results and to lengthen the life of your equipment and pool surface, always maintain your pool water to the following standards:

- pH: 7.3-7.6
- Free Chlorine: 2-5ppm
- Total Alkalinity: 100-250ppm (check with your pool finish supplier)
- Phosphate: under 0.5ppm
- Salt Level: according to your salt chlorinator manual
- For Outdoor Pools: Cyanuric Acid Stabilizer- 25-40ppm all year round



waterlink

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For Further Information:

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waterlink.com

Warranty Information:

Waterlink offers a 2 year full warranty on the control unit and other items supplied excluding probes unless mentioned below:

1 Year on all probes.



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Accurate as at: 07/07/2022