

PH electrolysis DUAL PURE

ASTRALPOOL 

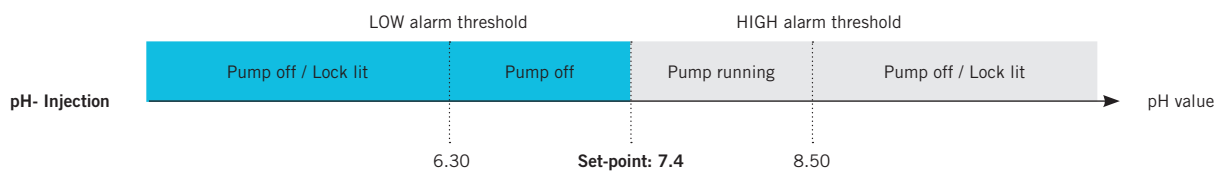
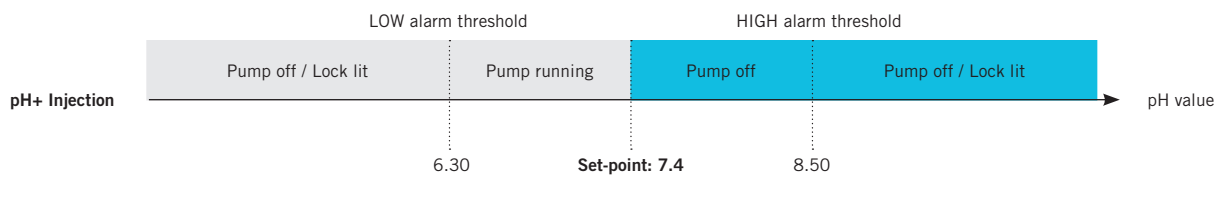


1. TABLE WITH CONDITIONS OF USE

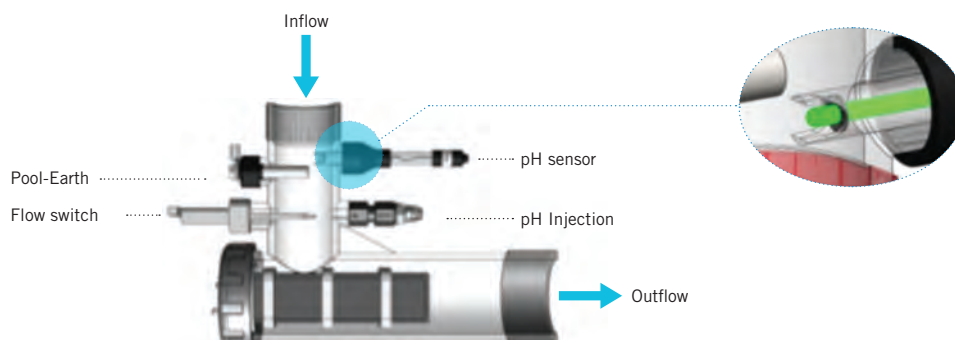
Water temp.	Salt level	pH	Stabilizer	Total alkalinity (TAC)
> 15°C	From 4 to 5 g/L	From 6.4 to 7.9	From 20 to 50 g/m ³	From 80 to 120°F

2. GENERAL OPERATION

The device was designed to operate within a pH window ranging from 8.50 to 6.30. Beyond this window, the device automatically goes into safety mode.



3. SENSOR INSTALLATION IN THE POOL



Make sure to place the sensor in such a way that the two protective edges of the glass ball are perpendicular to the flow.

4. POSSIBLE ADJUSTMENTS ON THE DEVICE

4.1. Changing the set-point

1. Device running, quickly press on SET. A value will be displayed; it is equal to the set-point value.
2. Press SET and - at the same time to reduce the value, or on SET and + to increase it. (The SET button must be pressed first)

4. POSSIBLE ADJUSTMENTS ON THE DEVICE

4.2. Calibration

1. Place the sensor into a pH7 calibration solution (only).
2. Press on the + or - buttons for some time, until the value displayed is equal to that of the solution.

Calibration must only be performed with a value of pH7. The use of a pH4 or pH9 solution will cause the device to shut off (lock).

4.3. Resetting the device to zero (RAZ)

1. With the device running, press the +, - and SET buttons at the same time until it displays "ra2."
2. Once "ra2" is displayed, turn off the device and then on again to resume normal operation.

Performing RAZ unlocks the device's safety mechanism. After performing RAZ, the sensor must be recalibrated.

4.4. Injection modification (acid/base)

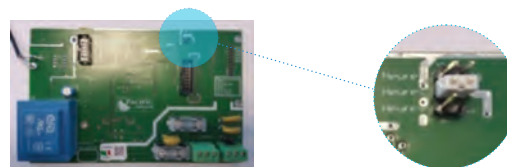
1. The device must be turned off. Turn on the device, wait for pH+ (or PHP) message to display, press the SET and - (or +) buttons.
2. Turn the device off and then back on to check whether the pH+ (acid injection) or PHP (base injection) messages are shown.

WARNING

if changing towards pH+, you must also change the acid, and excess pH- in the pool may deteriorate the liner, as well as stainless steel parts.

4.5. Changing the injection time

On the Astral DUAL PURE device, injection time may be changed by moving a jumper on the pH panel. The jumper is factory-set to an injection duration of two hours per filtration cycle, which means that, if after two hours of injection, the device does not reach the set-point, it will automatically go into safety lock mode.



5. QUESTIONS AND ANSWERS (TROUBLESHOOTING)

In certain cases, a simple visual check suffices to determine the causes of a malfunction or to get an idea of what points to check. The table below will help you complete a preliminary diagnosis:

Anomaly found	Anomaly origin	Solution
- Unstable pH value	- Measurement error - Alkalinity value outside normal range	- Verify sensor + card - Rebalance alkalinity
- Value displayed is near 11	- Malfunction of pH sensor	- Change the sensor
- Scrolling "pH- /PHP" or LUM display	- Cover panel malfunction	- Change the cover panel
- Measurement discrepancy between device and real value in the pool	- Malfunction of pH sensor and/or card - Device improperly calibrated	- Check panel elements (BNC connection shunt) and sensor - Recalibrate the device
- Very weak pH correction inflow	- Blockage of screen - Wear and tear on pumping pieces	- Dismantle screen and clean - Replace and grease roller + latex ensemble
- Lock lit	- Real injection time > injection time value	- Check injection circuit (roller / latex / screen / PVC hose / corrector level) - Check electronic panel F2 fuse + pH pump operation - Increase injection time
- Lock lit	- Values too different from set-point values	- Check manual rebalancing of pH and total alkalinity values in the pool - Sensor check - Check calibration solution (pH7). Type of injection programmed ≠ real corrector