

Dear partners!

The installation of the CRYSTAL station is completed, the water in the pool is warmed up to operating temperature. Brief procedure for measuring electrodes:

1. Remove the protective cap from the electrodes using KCL solution (it is recommended not to throw away the protective cap).
2. Gently shake off the pH electrode, like a thermometer, a couple of times (so that any air bubbles that may have formed move from the membrane to the tip with the pH electrode wires).
3. Install the electrodes in the measuring cell, connect the wires to the corresponding terminals of the controller.
4. Apply voltage to the CRYSTAL station.
5. Make sure that the dosing pumps are in "Stop" mode.
6. Leave the pH electrode in this position for at least 10 hours (600 minutes adaptation) – the electrode is connected, the station is energized (do not calibrate the electrode!).
7. After the specified time has elapsed, calibrate the pH electrode using buffer solutions.
8. Bring the pool water to the operating pH range: 7.2 – 7.6 (either use the dosing pump in manual mode or manually through the pool water table).
9. Bring the pool water to the operating range for free chlorine concentration: 0.3 – 0.6 mg/l (either use the dosing pump in manual mode or manually through the pool water table).
10. Calibrate the CL electrode upon the DPD readings of the pool water.
11. Switch the dosing pumps to the "Automatic" mode.

Important notes:

- It is recommended to recalibrate the electrodes after 2-3 days.
- We do not recommend calibrating the CL electrode at values below 0.3 mg/l and above 1.0 mg/l.
- The more often the CL electrode is calibrated, the more accurate its readings (this is especially important for public pools).

Sometimes the pH electrode does not calibrate after 10 hours of adaptation to water, leave it connected to the controller for a day or two and repeat the calibration.

Yours sincerely, DARIN