

HACH CL17 SC CHLORINE ANALYZER VERIFICATION

NOTE: A verification only confirms the analyzer is working at one point. A calibration is required to check that the analyzer is accurate at all points the analyzer measures.

NOTE: Always use proper PPE when handling chemicals used in this procedure

1. Materials Required:



DR900 Colorimeter



10 ML Sample Bottle



DPD Packets



Lint Free Wipes

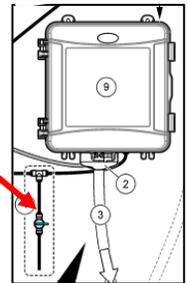
2. To use the DR900 the following buttons will be used:

- CELL HOLDER
- SELECT
- OPTIONS
- UP/DOWN/LEFT/RIGHT SCROLL
- POWER



3. Flush the grab sample line on the CL17 SC for 30 seconds.

4. Rinse out the sample bottle 3 times with water from the grab sample line in step 3.



5. Place a 10 ml sample of water to be tested in the 10 ml sample bottle with water from the grab sample line in step 3.

6. At the same time, record the reading on the CL17 SC analyzer.



7. Press the following buttons on the DR900 to perform the test.

- POWER - Display will show the last test performed
- OPTIONS
- Scroll DOWN to ALL PROGRAMS
- SELECT
- Scroll DOWN to program 80 FREE AND TOTAL CHLORINE
- SELECT



8. Clean the outside of the 10 ml sample bottle with a lint free wipe.



9. Insert the sample bottle in the cell holder.

10. Make sure the white diamond on the 10 ml sample bottle is facing towards the display of the DR900.



11. Place the instrument cap over the sample cell.

NOTE: The instrument cap covers the sample holder end of the DR900 when it is not in use.



HACH CL17 SC CHLORINE ANALYZER CELL CLEANING

12. Press the SCROLL UP button and the DR900 will read 0.00 Chlorine.



13. Remove the 10 ml sample bottle from the sample holder on the DR900.

14. Pour in one DPD packet into the 10 ml sample bottle.

NOTE: There are different DPD packets to measure residual and total chlorine. Ensure that the proper DPD packet is used for your test.



15. Swirl the 10 ml sample bottle for 30 seconds to allow the color to stabilize.

16. Clean the outside of the 10 ml sample bottle with a lint free wipe as was done in step 8.



17. Insert the sample bottle in the cell holder.

18. Make sure the white diamond on the 10 ml sample bottle is facing towards the display of the DR900.



19. Place the instrument cap over the sample cell.



20. Press the SELECT button to display the chlorine value in the 10 ml sample bottle.



21. Compare the reading on the DR900 to the reading recorded in step 6 from the HACH CL17 SC.

NOTE: If the reading on the DR900 is within 1% of the reading recorded in step 6 from the HACH CL17 SC the test is successful.

If the reading on the DR900 is not within 1% of the reading recorded in step 6 from the HACH CL17 SC inform tech services.

22. Store the DR900 test kit for future use.