

Phosphorus, Reactive (Low Range)

Wear Safety Goggles!

1. On the machine **Press:**



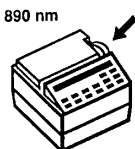
2. On the machine **Press:**



3. On the machine **Press:**



4. Rotate dial on side of machine until display reads: **890 nm**



5. Collect water sample from Top bottle (on back deck) in sample cup.

6. Rinse both small square bottles once with sample water.

6. Fill the small square bottle **WITH** the rubberband up to the 10mL line with water from the sample cup.



7. Set this bottle aside.

8. Fill the second small square bottle **WITHOUT** the rubberband up to the 10mL line with water from the sample cup.



9. Take one **PhosVer3** Powder Packet and tap lightly on the top end.

10. Cut off one of the top corners of the packet and pour powder into the bottle **WITHOUT** rubberband.



11. Put stopper in top of bottle and immediately begin to gently swirl bottle for 10 seconds.

12. Set this bottle aside and **Press:**



13. Wait for timer to beep (*about 2 minutes*) before proceeding.

14. Insert the small square plastic riser into the machine.



16. Place bottle **WITH** rubberband in machine with the side that has the numbers facing the left.



15. Using lens paper wipe sides of square bottle **WITH** rubberband (that you set aside in **step 7**). Make sure sides of bottle are dry and clean from fingerprints.

17. Close lid.

18. On the machine **Press:**



19. Wait for display to read:

0.00 mg/L PO₄³⁻ PV

20. Remove bottle.

21. Using lens paper wipe sides of square bottle **WITHOUT** rubberband (that you set aside in **step 12**). Make sure sides of bottle are dry and clean from fingerprints.



22. Place bottle **WITHOUT** rubberband in machine with the side that has numbers facing the left and close lid.

23. On the machine **Press:**



24. Wait for display to give value and record value on the data sheet.

25. Remove bottle.

26. Begin clean-up procedure below.

CLEAN-UP: Pour water from square bottles and water from sample cup down the drain. Rinse these containers twice with squirt bottle and pour water down the drain. Throw used Powder Packets into trash.