

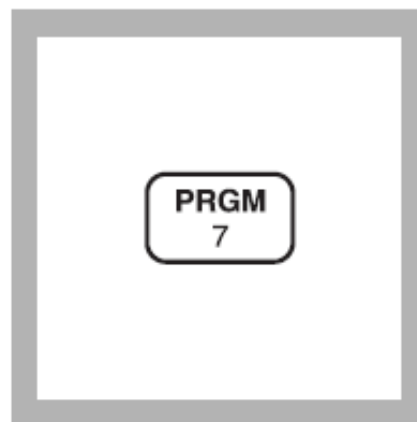


NITROGEN, AMMONIA

(0 to 0.50 mg/L $\text{NH}_3\text{-N}$) Method 8155

For water, wastewater, and seawater

Salicylate Method*



1. Enter the stored program number for ammonia nitrogen ($\text{NH}_3\text{-N}$).

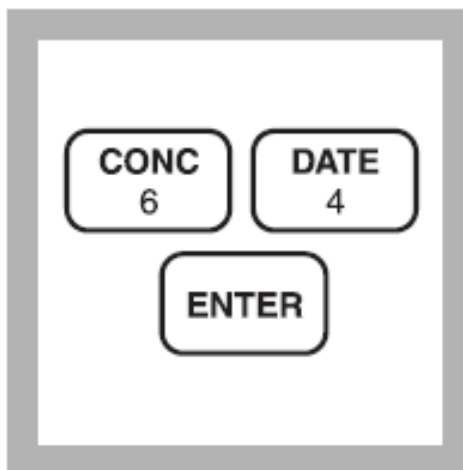
Press: **PRGM**

The display will show:

PRGM ?



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2. Press: 64 ENTER

The display will show **mg/L, NH₃-N** and the **ZERO** icon.

*Note: For alternate forms (NH₃, NH₄), press the **CONC** key.*



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3. Fill a sample cell with 10 mL of deionized water (the blank).



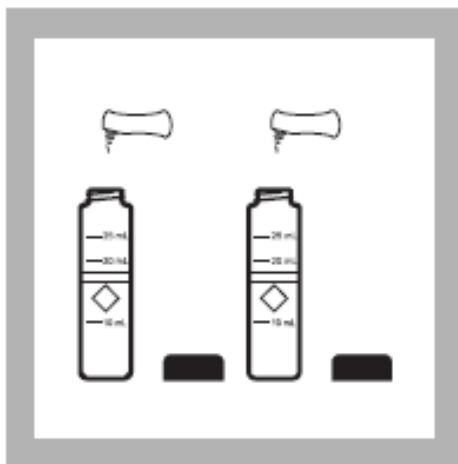
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4. Fill a second sample cell with 10 mL of the sample.



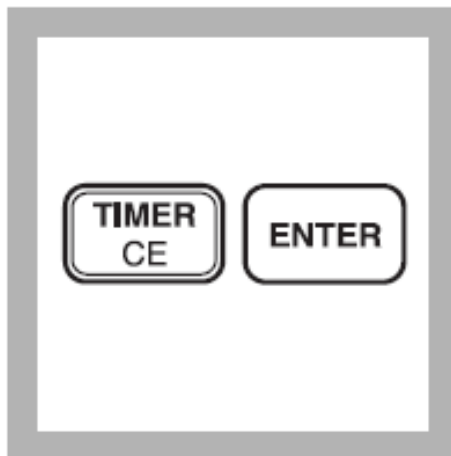
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5. Add the contents of one Ammonia Salicylate Reagent Powder Pillow to each sample cell. Cap both cells and shake to dissolve.



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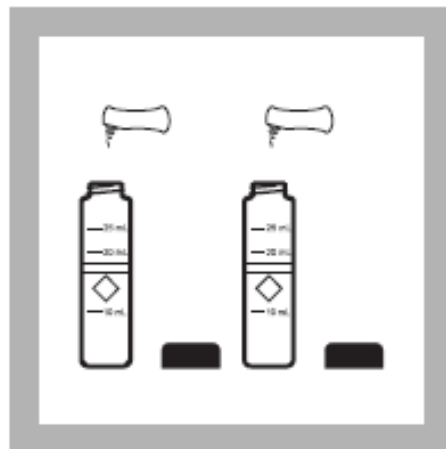
6. Press:

TIMER ENTER

A three-minute reaction period will begin.



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7. After the timer beeps add the contents of one Ammonia Cyanurate Reagent Powder Pillow to each sample cell. Cap the cells and shake to dissolve the reagent.

Note: A green color will develop if ammonia nitrogen is present.



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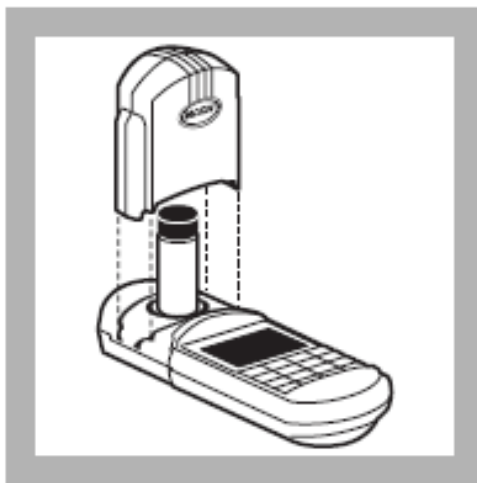
8. The display will
show: **15:00 TIMER 2**

Press: **ENTER**

A 15-minute reaction
period will begin.



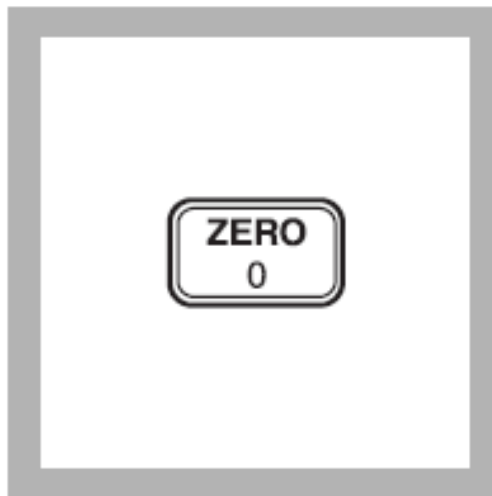
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9. After the timer beeps, place the blank into the cell holder. Tightly cover the sample cell with the instrument cap.



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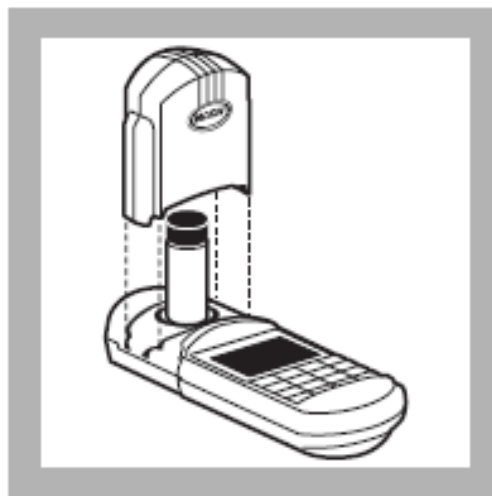
10. Press: **ZERO**

The cursor will move to the right, then the display will show:

0.00 mg/L NH₃-N



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11. Place the prepared sample into the cell holder. Tightly cover the sample cell with the instrument cap.



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12. Press: **READ**

The cursor will move to the right, then the result in mg/L ammonia nitrogen will be displayed.

Note: Standard Adjust may be performed using a prepared standard (see Standard Adjust in Section 1).