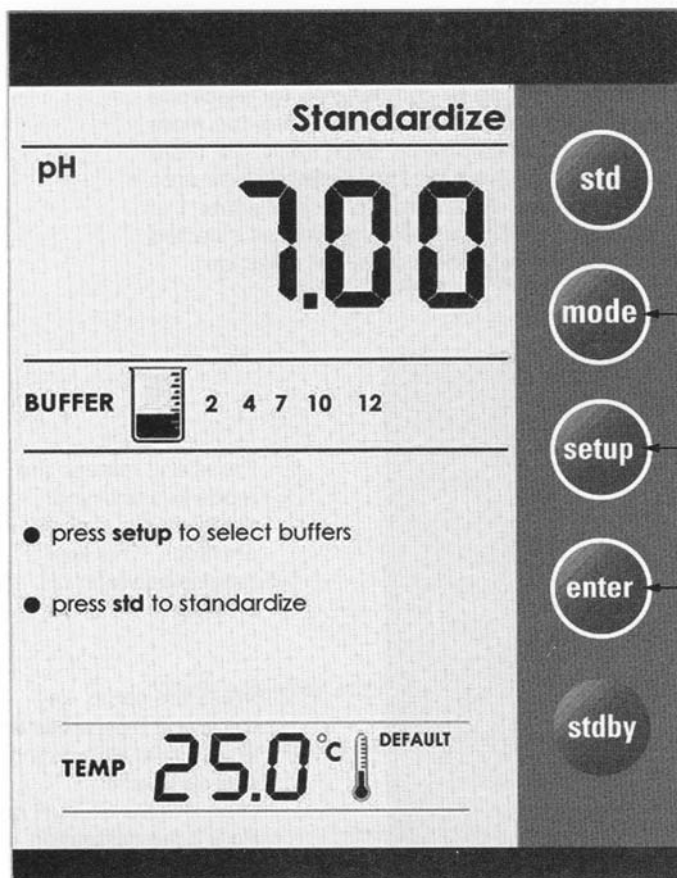


## Standardization Procedure for the accumet® AB15 pH Meter

Because electrodes vary in their response, you must standardize or calibrate your pH meter and electrode to compensate for this variation.

**NOTE: You must perform the following steps exactly as they are given or the ELECTRODE ERROR message will be displayed even when one does not exist.**

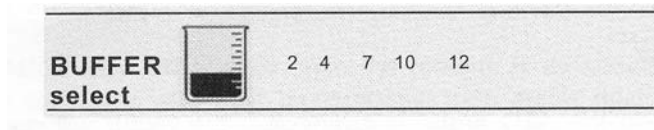


1. Press and release the **mode** key until your digital display indicates pH mode. This key toggles between the pH, mV and Rel mV modes.
2. Press the **setup** key twice and then press the **enter** key to clear an existing standardization.



3. Rinse the electrode with distilled water using a squeeze bottle and immerse the rinsed electrode into pH 4 (pink) buffer solution.

4. Press **std** again to access the Standardization mode. The selected buffer group is displayed briefly.



5. **Wait** for the reading to stabilize.



6. Press **std** again to initiate standardization. The meter will automatically recognize the buffer (4.00 not 7.00) and then return to the Measure screen.

7. Repeat steps 3-6 with the pH 10 (blue) buffer solution.



When the meter accepts the second , pH 10, buffer solution, it will briefly display the percent slope associated with the electrode's performance prior to returning to the Measure mode.



If the electrode is within the range of 90 – 102%, the GOOD ELECTRODE message will appear.



If the electrode is outside this range, the meter will display the ELECTRODE ERROR message and you must inform your lab instructor.

This procedure is a modification of the accumet<sup>®</sup> Basic AB15/15+ User Manual (pp 29 – 32) published by Fisher Scientific (Part # 68X295801 Rev. 1 07/03).