

Auto Calibration Quick Start Guide

AUTO CALIBRATION QUICK START GUIDE

WHEN TO CALIBRATE:

- When connecting or replacing an electrode
- When the calibration interval has expired, at least every 7 days
- Autocalibration is recommended each day prior to analysis

If you are using the calibration buffers that came with the unit (TEC US pH 7.0 and 4.01), please ensure that your meter is set to the correct calibration Mode.

1. Select the Buffer System (US customers please choose TEC US). Navigate to Menu (by pressing 'OK' or 'F1'), Calibration, Buffer. If you are using the 6100, be sure to navigate to the menu from the screen displaying measurements in pH or mV units.
2. Connect your pH electrode to the meter.
 - The pH measuring window is displayed after connection.
3. pH value should display in the center of the screen and will display "pH" in the upper left corner.
 - If this is not the case, press the **<Mode>** button to switch from "mV" mode to "pH" mode.
4. Prepare the buffer solutions for calibration. If your pH probe does not measure temperature, measure the temperature of the buffer solutions and enter that temperature during calibration.
5. Rinse the electrode with DI water. Blot dry, do not wipe.
6. Place electrode in the buffer solution (order of buffers is inconsequential).
7. Start Calibration by pressing **<CAL>** button.
 - If screen is dim, pressing **<CAL>** will illuminate the screen but not put into auto calibration mode. Press **<CAL>** a second time to enter mode.
8. The Screen will display "Buffer 1" in the right corner, "pH" in the left corner, and the display will be in **mV**.
9. Start Calibration by hitting OK with the electrode in the first buffer.
10. Buffer value should show in upper right corner.
 - pH will flash in upper left-hand corner while stabilizing and beep when finished.
11. Meter will display "Buffer 2" in right-hand corner when ready for second buffer solution.
12. Remove electrode, rinse, blot to dry and put in buffer 2.
13. Hit OK once electrode is in buffer 2.
14. "pH" will flash in upper left corner while stabilizing, and beep when finished.
15. At this point, a 2-point calibration has been completed, you can end calibration by pressing **<Mode>** at this time.
16. You can continue with additional calibration points if required following procedure above.
17. Pressing **<Mode>** shows values for the auto-calibration procedure.
18. Press F1 (Continue) and the device will be back on the front screen.

