

Calibration of MDC42 pH Controller

1. Clean and wash the electrode in distilled or de-ionised water, immerse in a standard buffer solution of any value
2. Now enter into the programming mode as follows: (a) Press \rightarrow button, **Pas** is displayed momentarily, then **0**, using the up and down arrowed buttons, set the passcode. (b) Press \rightarrow button, display shows **Pas** momentarily, and then confirms your passcode (if the wrong passcode is entered then **End** is displayed); at this point you may change your passcode.
3. Press \rightarrow button, **uSE** is displayed; press either up or down arrowed buttons repeatedly until **CAL** is displayed.
4. Press \rightarrow button, **Bu.1** is displayed momentarily, then the current value of the first buffer solution, wait until the reading stabilizes.
5. Press \rightarrow button, **PH.1** is displayed momentarily; the reading shows the current value of the first buffer, with the possibility of altering the value with the up and down arrowed buttons.
6. Press \rightarrow button **CA.1** is displayed. This denotes single point calibration (go to 7), for two point calibration press either up or down arrowed buttons until **CA.2** is displayed (go to 11).
7. For single point calibration press and hold \rightarrow button, flashing **E2P** is displayed (storing in memory), until display shows **E--** (error code).
8. Press the up arrow to display the E° (check) reading.
9. Press the down arrow to display the slope percentage value (99.9).
10. Press \leftarrow button twice to end.
11. For two point calibration, press \rightarrow button (while **CA.2** is displayed), **Bu.2** is displayed momentarily, then the value of the second buffer, wash the electrode in distilled water and immerse in second buffer, wait for the reading to stabilize.
12. Press \rightarrow button **PH.2** is displayed momentarily, then the reading shows the current value of the second buffer, with the possibility of altering the value with the up and down arrowed buttons.
13. Press and hold \rightarrow button, display shows flashing **E2P** (storing in memory), until display shows **E--** (error code).
14. Press the up arrow to display the E° (check) reading.
15. Press the down arrow to display the slope percentage value.
16. Press \leftarrow button twice to end.

\rightarrow = Enter & Store

\leftarrow = Exit

Note! If the passcode has been mislaid it may be reset to zero by entering 3584