

# *sensio*<sup>™</sup>**n2** Portable pH/ISE Meter Quick Reference Card

## Changing Meter Setup Options

Setup options 1–5 have default settings (underlined in the table). To change the default setting, use the table below. Settings for options 6–8 must be entered from the setup menu.

Setup	How To Get There	Description of Option
1	Turn the meter on and press <b>SETUP</b> . Press <b>ENTER</b> .	Choose between using the BNC or <u>5-pin</u> connector. <b>ENTER</b> toggles between the options. Press <b>EXIT</b> when selection is complete.
2	Turn the meter on and press <b>SETUP</b> . Press the up arrow once. Press <b>ENTER</b> .	Turn display lock On or <u>Off</u> . <b>ENTER</b> toggles between the options. Press <b>EXIT</b> when selection is complete.
3	Turn the meter on and press <b>SETUP</b> . Press the up arrow twice. Press <b>ENTER</b> .	Choose between <u>°C</u> or °F for displayed temperatures. <b>ENTER</b> toggles between the options. Press <b>EXIT</b> when selection is complete.
4	Turn the meter on and press <b>SETUP</b> . Press the up arrow three times. Press <b>ENTER</b> .	Select measurement resolution from tenths, <u>hundredths</u> , or thousandths. <b>ENTER</b> toggles between the options. Press <b>EXIT</b> when selection is complete.
5	Turn the meter on and press <b>SETUP</b> . Press the up arrow four times. Press <b>ENTER</b> .	Select pH 6.86 or <u>7.00</u> as the pH the meter will automatically recognize during calibration. <b>ENTER</b> toggles between the options. Press <b>EXIT</b> when selection is complete.
6	Turn the meter on and press <b>SETUP</b> . Press the up arrow five times. Press <b>ENTER</b> .	Select the time of day by pressing the desired number key. The meter uses a 24-hour clock. All four places must have a value. Use a 0 if the left-most digit does not have a value (i.e., 03:08). Press <b>ENTER</b> to accept the value.
7	Turn the meter on and press <b>SETUP</b> . Press the up arrow six times. Press <b>ENTER</b> .	Set the month and day by pressing the desired number keys. The month uses the two places left of the slash; the day of the month occupies the two places right of the slash. Enter a 0 if the left-most digit does not have a value (i.e., 02/06). Press <b>ENTER</b> to accept the value.
8	Turn the meter on and press <b>SETUP</b> . Press the up arrow seven times. Press <b>ENTER</b> .	Set the year by using the number keys. Every place must have a value. Press <b>ENTER</b> to accept the value.

## pH Calibration

1. Prepare 2–3 pH buffers (choose from pH 4.01, 6.86, 7.0, and 10.01 buffers).
2. Press **I/O/EXIT**. Press **CAL**. The display will prompt for standard 1.
3. Place the pH electrode in one of the buffers.
4. For auto-recognition, press **READ/ENTER**. To enter the standard value, use the number keys and press **READ/ENTER**. Toggle between pH and mV values using the **pH/mV** key.
5. The display will prompt for standard 2. Rinse the electrode with deionized water.
6. Place the electrode in the second buffer. Press **READ/ENTER**.
7. Repeat *steps 5 and 6* for the third buffer or press **EXIT**.
8. When the reading is stable, the slope and **Store ?** will appear.
9. To save the calibration, press **READ/ENTER**. To exit without saving the calibration, press **EXIT**.

## ISE Calibration

1. Prepare 2–5 standards. Pour 25 mL of each standard into a beaker.
2. Turn the instrument on. Select the BNC connector (Setup 1). If necessary, press **ISE/mV** to put the meter in ISE mode.
3. Press **CAL**. Use the arrow keys to change the units of measurement, if desired.
4. Add ISA to the least concentrated standard. Place the electrode in the standard and stir.
5. Press **READ/ENTER**. Enter or change the standard value using the number keys. Press **READ/ENTER** to accept the displayed value.
6. When the reading is stable, the meter will prompt for the next standard.
7. Rinse the electrode with deionized water. Repeat *steps 4–6* for the remaining standards.
8. After the last standard is measured, press **EXIT**. **Store ?** will appear.
9. To save the calibration, press **ENTER**. To exit without saving the calibration, press **EXIT**.



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