

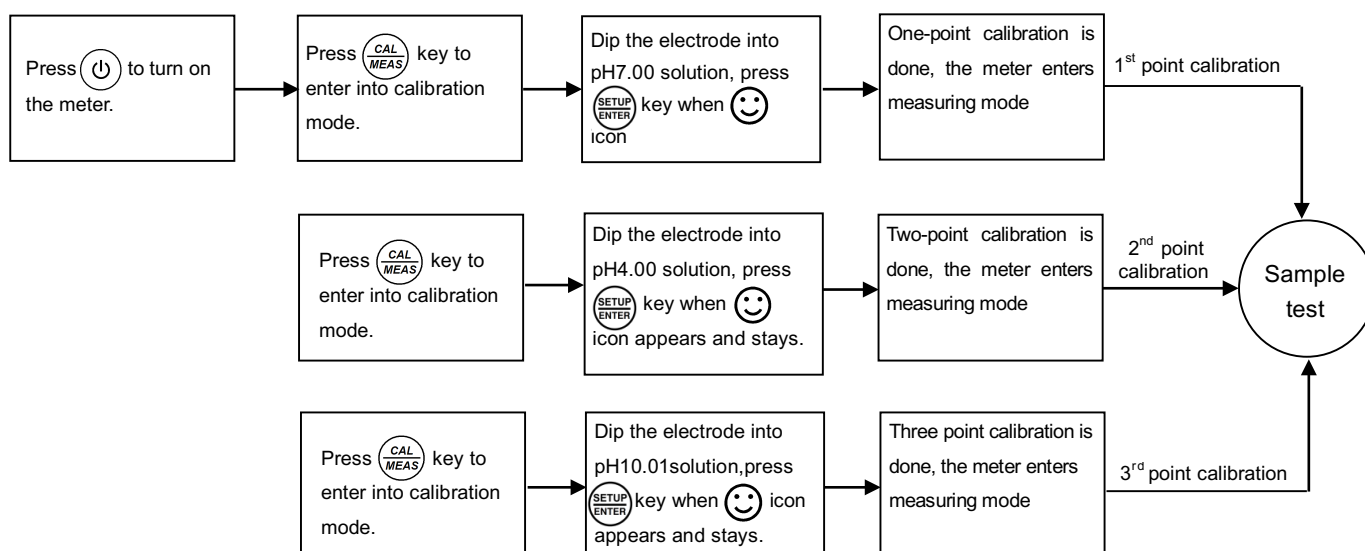
# SX823-B pH/Conductivity Meter

## Brief Guide

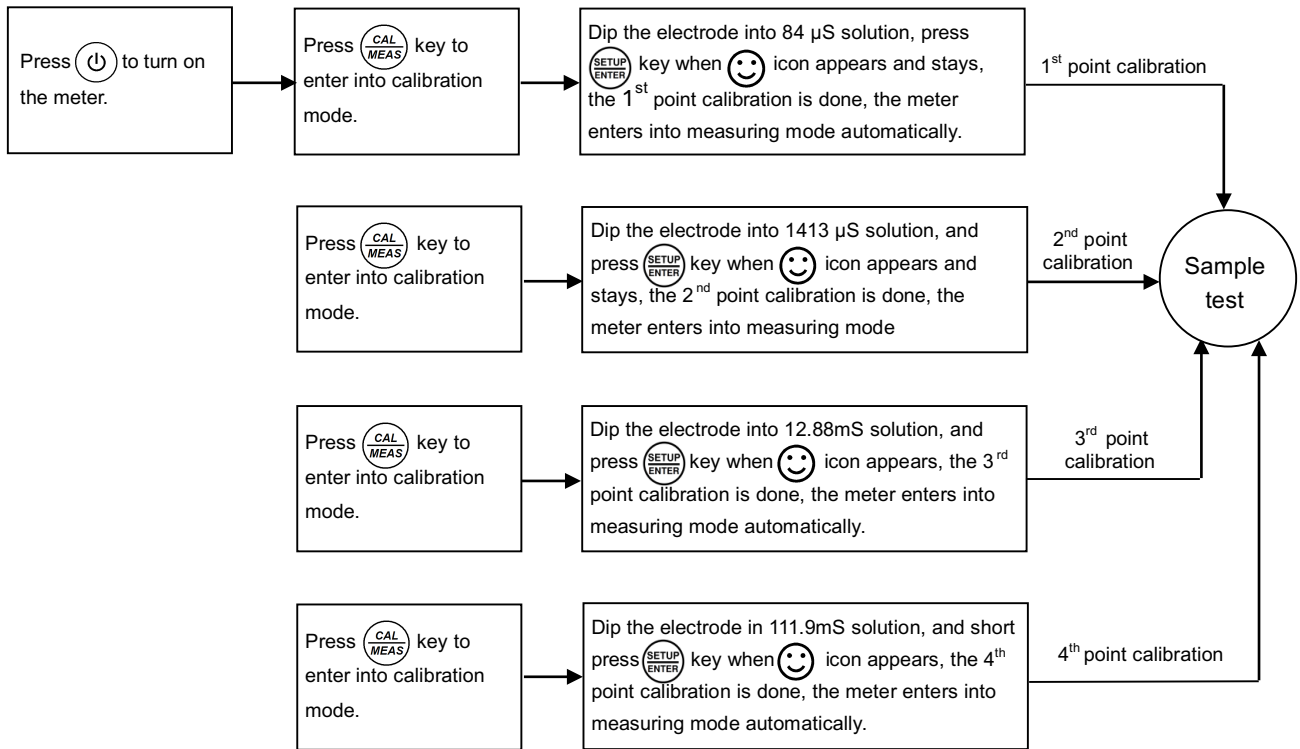
### 1. Keypad operations and descriptions

Keypad	Operations	Descriptions
	Short press	<ul style="list-style-type: none"> <li>When powered-off, press this key to turn on the meter</li> </ul>
	Long press	<ul style="list-style-type: none"> <li>In the measurement mode, press and hold this key for 2 seconds to turn off the meter.</li> </ul>
	Short press	<ul style="list-style-type: none"> <li>Press this key to select measurement mode: <b>pH</b> → <b>mV</b> → <b>COND</b> → <b>TDS</b></li> </ul>
	Long press	<ul style="list-style-type: none"> <li>In the measurement mode: long press this key to enter manual temperature compensation mode, then long press or short press this key to change the temperature value (only one direction).</li> <li>In the parameter set-up mode, press this key to change the serial number of the main menu and the submenu (only one direction).</li> <li>In the submenu mode, press this key to change parameters and set-up (only one direction).</li> </ul>
	Short press	<ul style="list-style-type: none"> <li>In the measurement mode, press this key to enter in the calibration mode.</li> <li>In the calibration mode, the parameter set-up mode and auto lock-up(HOLD) mode, press this key to return to the measurement mode.</li> </ul>
	Short press	<ul style="list-style-type: none"> <li>In the measurement mode, press this key to enter in the parameter set-up main menu.</li> <li>In the calibration mode, press this key to make calibration.</li> <li>In the parameter set-up mode, press this key to select programs.</li> </ul>

### 2. pH meter calibration and measurement



### 3. Conductivity meter calibration and measurement



### 4. Parameter setting

P1.0 pH parameter setting		P2.0 Conductivity parameter setting		P3.0 Basic parameters setting	
<b>P1.1</b>	Select pH buffer solution series	<b>P2.1</b>	Select electrode constant	<b>P3.1</b>	Select temperature unit
<b>P1.2</b>	Select resolution	<b>P2.2</b>	Select reference temperature	<b>P3.2</b>	Automatic power-off setup
<b>P1.3</b>	Set reading stability criteria	<b>P2.3</b>	Adjust temperature compensation coefficient	<b>P3.3</b>	Automatic lock-up setup
<b>P1.4</b>	Restore to factory setup	<b>P2.4</b>	Set TDS factor		
		<b>P2.5</b>	Restore to factory setup		

### 5. Self-diagnosis information

Icons	Contents	How to fix	pH	Conductivity
<i>Er 1</i>	Wrong pH buffer solution or the recognition range of calibration solution exceeds standard.	1. Check whether pH buffer solution is correct. 2. Check whether the meter connects the electrode well. 3. Check whether the electrode is damaged.	✓	✓
<i>Er 2</i>	Press (SETUP/ENTER) key when measuring value is not stable during calibration.	Press (SETUP/ENTER) key after smile icon appears and stays	✓	✓
<i>Er 3</i>	During calibration, the measuring value is not stable for ≥3min.	1. Check whether there are bubbles in glass bulb. 2. Replace with new pH electrode.	✓	✓
<i>Er 4</i>	pH electrode performance error zero potential <-60mV or >60mV; slope <75%	1. Check whether there are bubbles in glass bulb. 2. Check whether pH buffer solution is correct. 3. Replace with new pH electrode.	✓	