

1. **Q:** How long can the calibration solution be preserved?

A: You can store some calibration powder for standby application. When used, it can be dissolved in 250 ml pure water. The calibration solution cannot be stored for a long time because the gases in the air such as carbon dioxide will dissolve in water when the solution is exposed to air, resulting in the changes in PH value. It is recommended to store it for a week under regular sealed storage.

2. **Q:** Why calibration is needed?

A: The purpose of calibration is to correct the errors caused by many reasons like, the glass ball on the PH electrode become dry for improper storage or long time being unused, so as not to affect the data accuracy.

3. **Q:** What's the function of temperature compensation?

A: Temperature will affect the accuracy of PH measurement. When the temperature is below 10 degrees or above 30 degrees, the conventional temperature compensation would be used. Generally, when high data accuracy is needed, the temperature compensation would be considered.

4. **Q:** Unable to calibrate after a period of time?

A: It can't be calibrated after one month mainly because of the malfunction of electrode probe caused by improper storage after use, corrosive measurement medium or damaged glass ball on the PH electrode, etc. In addition, the contamination of the calibration solution will cause calibration failure.

5. **Q:** The protective solution in the glass ball leaks easily?

A: The protective solution inside the glass ball on the PH electrode is saturated potassium chloride solution. Over time, after the water inside evaporates, the potassium chloride solution will precipitate, and white powder will appear near the probe, which is normal. In addition, improper transportation will lead to this situation.