

为什么 86021 的 pH 值读数会随着时间的推移而发生变化？

#### 问题

为什么以相同的水样在测试加热系统时，86021 的 pH 读数会随时间漂移？

#### 回复：

与被测样品有关，这种情况多见，发生在干净的水比正常的自来水频率高。

加热系统的水通常是纯净水，水越干净，所含的 H 离子越少。

为了测量 pH 值，pH 电极内部的化学物质需要与测试样品的 H 离子作反应。

所以当水是干净的且没有太多的 H 离子时，pH 电极会需要更长的时间与剩余的 H 离子发生反应，这就是为什么你会看到有时显示会一点一点地漂移。

#### Question

Why the pH reading of 86021 drift by time when testing the same water sample for heating system?

#### Reply:

It's related with the measured sample, this situation usually happened more frequently on the clean water than the normal tapped water. The water for heating systems is usually the purified water, the cleaner the water is, the lesser H ion it contained.

To measure the pH level, the chemical inside of pH electrode needs to react with the H ion of the testing sample. So when the water is clean and with not much H ion contained, pH electrode will need longer time to react with the remaining H ion, and that is why you see the reading drift bit by bit sometimes.