pH-Meter – Quick Start Guide

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taskit pH-Meter Quick-Start-Guide

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1. Introduction

The taskit pH meter is a high quality bluetooth low energy integrated pH and temperature measurement device.

This Quick Start Guide will show you the required steps to start your first measurement with the pH-Meter accessory using the taskit pH-Meter application for iOS 7.1 (or higher).
2. **Specifications**

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3. Hardware setup

1. Connect the BNC (Bayonet Neill–Concelman) connector of your pH-Electrode to the BNC jack at the front of the taskit pH-Meter accessory.

2. Connect the pH-Electrode's temperature sensor – when available - to the banana jacks at the front of the taskit pH-Meter accessory.
4. Start taking measurements

1. Tap the “Measurement” icon (1) on the tab bar → the Measurement page will be shown when not visible already

2. Tap on the connection icon (2) up left to scan for “taskit pH-Meter” accessories → a green progress indicator (3) will be shown
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3. The first time a “taskit pH-Meter” is connected to an iOS device it is required to enter the access password (4): 708717 → after a few seconds the measurement starts

4. Temperature sensor setup
When an temperature sensor is connected to the banana jacks this step can be skipped as it is enabled by default.

To set a fixed measurement sample temperature manually, tab on the “Configuration” icon on the tab bar. In the category “TEMPERATURE” set “Use Sensor” to “Off” and set “Without Sensor Use” to the Temperature of the measurement sample. → The setting will be stored in the “taskit pH-Meter”. Tap the “Measurement” icon on the tab bar to show the measurement page again.

Note: This the temperature sensor setup only possible as long as a pH-Meter accessory is connected.
5. **Trouble shooting**

1. The pH-Meter accessory is not detected by the pH-Meter application

   First of all assure yourself that no one else is connected to the pH-Meter. In this case it is not possible to scan for it.

   After that you should try to restart the scan for the pH-Meter accessory (bluetooth peripheral scan rate will be reduced by iOS after a few seconds):
   
   - Tap the connection icon to stop the current scan → the green progress indicator disappears
   - Tap the connection icon again to start a new scan → the green progress indicator appears again
   - The detection may last up to 30 seconds

   When the pH-Meter is not found after restarting the scan at least 3 times, try out the following and restart the scan:
   
   - Reduce the distance between the pH-Meter accessories and the iOS device
   - rotate the pH-Meter accessory to change the angle to the iOS device

   When the pH-Meter already has been used for a while replace the batteries:
   
   - Remove the 4 screws and ther cover at the back of the pH-Meter accessory
   - Replace the batteries according to the “+” and “-” polarity markings inside the battery holder

2. The calibration result or the measurement value is inaccurate

   - Tab on the “Calibration” icon on the tab bar. Calibrate the electrode and save the calibration data
   - Shake the measuring head in the sample to be measured, so that air bubbles - that where brought in during immersion - can escape
   - Wait at least 30 seconds, so that the measurement value stabilizes
   - Replace the electrode when it is worn out.