

## Calibration of the Phywe pH electrode

**PHYWE**  
excellence in science



Difficulty  
Level



Easy

Preparation  
Time



5 minutes

Completion  
Time



5 minutes



Inspire young scientists and get them excited about their next discovery.

## Equipment

- 1 x Phywe pH sensor
- 3 x 100 mL beakers containing the following – pH 4.0 buffer solution, water, and pH 9.0 buffer solution.

## Set up the pH Sensor with the MeasureApp

1. Open the MeasureApp on your chosen device.
2. Connect the sensor to the measureApp; simply press the centre button for 3 seconds and the Bluetooth light will flash red, once connected to the measureApp, the light will turn green.
3. On the software the sensor will appear in devices, click on this, and its ready to go.

## Method

1. Tap the configuration icon which will show the calibration setting option.
2. Tap the Calibration button and you are ready to start.
3. Place the electrode into the pH 4 buffer solution.
4. Wait for a few seconds for the reading to stabilise and type 4.0 as your value.
5. Rinse the electrode in water.
6. Repeat step 4 with the pH 9 buffer solution and type 9.0 as your value.
7. Your pH sensor is now calibrated and ready to use.
8. After use always rinse the electrode thoroughly and place it back into the storage solution. It is recommended that you should use 3 molar potassium chloride.

***To get more information on datalogging, our range of Phywe Bluetooth sensors, and for more useful resources, visit our website.***

***Free software is provided with our range of sensors. Compatible with the majority of devices, datalogging is simple to understand and cost-effective.***

Explore the range...

