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› Anton Paar pH2Go Digital pH Meter User Manual

## Anton Paar 389554

# Anton Paar pH2Go Digital pH Meter User Manual

Model: 389554

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## 1. INTRODUCTION

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The Anton Paar pH2Go is a digital pH meter designed for accurate and reliable pH measurements across various applications. It features a robust, glass-free ISFET pH sensor, eliminating the fragility and maintenance issues associated with traditional glass electrodes. This device is suitable for both laboratory and field use, offering precise readings with minimal sample volume.

The pH2Go integrates with the free Meister Apps (iOS, Android & Web) via Bluetooth Low Energy, enabling automatic data logging, saving, and sharing without manual entry. Its waterproof IP67 design ensures reliable performance in wet environments.



**Results in seconds**



**Effortless cleaning:  
rinse & wipe**



**Waterproof (IP67)**



**Supports up to 5-point  
calibration**



*Figure 1: The Anton Paar pH2Go Digital pH Meter. This image illustrates the compact design of the pH2Go device, held in a hand, highlighting its sensor area and user interface.*

The pH2Go is versatile, capable of measuring pH in liquids and semi-solid samples, making it ideal for applications such as brewing, winemaking, hydroponics, food production, pool and water quality testing, and industrial use.

## 2. WHAT'S IN THE BOX

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Upon unpacking your Anton Paar pH2Go, please ensure all components listed below are present:

- pH2Go Digital pH Meter
- Safety Guide
- 2 x AAA Batteries
- Buffer solution (pH 7)
- Protection cap
- 2 x Pipettes

# What's included



- 2x AAA batteries
- buffer solution (pH 7)
- protection cap
- 2x pipettes
- safety guide

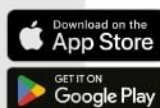


Figure 2: Package contents of the pH2Go. This image displays the pH2Go meter alongside its accessories: two AAA batteries, a pH 7 buffer solution, a protection cap, and two pipettes.

## 3. SETUP

### 3.1. Battery Installation

1. Locate the battery compartment on the back of the pH2Go device.
2. Open the compartment cover.
3. Insert the 2 AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

### 3.2. App Installation and Connection

The pH2Go operates in conjunction with the free Meister Apps, available for iOS and Android devices. These apps facilitate guided calibration, data management, and sharing.

1. Download the "Meister Apps" from the Apple App Store (for iOS) or Google Play Store (for Android).
2. Install the app on your mobile device.
3. Ensure Bluetooth is enabled on your mobile device.
4. Open the Meister App and follow the on-screen instructions to connect to your pH2Go device via Bluetooth Low Energy. The app will guide you through the pairing process.

## Mobile Apps: Smart Data Management & Guided Workflow



Figure 3: pH2Go connected to the Meister Mobile App. This image shows a smartphone displaying the Meister App interface with pH measurement data, positioned next to the pH2Go device, illustrating the smart connection feature.

## 4. OPERATION

### 4.1. Sample Preparation

The pH2Go requires only a 0.5 mL sample for accurate measurement. Ensure your sample is representative and free from large particulates that could obstruct the sensor.

# Requires only 0.5 mL sample



Figure 4: Applying a 0.5 mL sample to the pH2Go. This image demonstrates the precise application of a small liquid sample into the pH2Go's sensor well using a pipette.

## 4.2. Taking a Measurement

1. Ensure the pH2Go is clean and calibrated (refer to Section 5 for calibration instructions).
2. Remove the protection cap from the sensor.
3. Using a pipette, carefully apply approximately 0.5 mL of your sample into the sensor well. Ensure the sensor is fully immersed.
4. Initiate the measurement via the connected Meister App. The app will display the reading and guide you through the process.
5. Wait for the reading to stabilize. The app will indicate when the measurement is complete and stable.
6. Record or save the data using the app's features.
7. After measurement, clean the sensor immediately (refer to Section 6).

The pH2Go is designed for versatile use across various sample types, including beverages, fermented foods, hydroponic solutions, water samples, dairy products, and industrial liquids.



## Precision in Every Use

- Glass-free pH sensor: ideal for in-field use
- Easy to clean and store
- Perfect for liquid and viscous samples in beer brewing, winemaking, hydroponics, food production, pools, aquariums, water treatment, laboratories, industrial use, and many more

Figure 5: Versatile applications of the pH2Go. This image shows the pH2Go meter positioned among diverse samples such as wine, beer, milk, coffee beans, and hydroponic plants, highlighting its broad utility.

## 5. CALIBRATION

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Regular calibration is crucial for maintaining the accuracy of your pH2Go meter. The device features app-guided, step-by-step calibration with Automatic Temperature Compensation (ATC).

1. Ensure you have fresh, appropriate pH buffer solutions (e.g., pH 4, pH 7, pH 10). A pH 7 buffer is included in the box.
2. Open the Meister App and navigate to the calibration section.
3. The app will guide you through a multi-point calibration process. Typically, a two-point or three-point calibration is recommended for optimal accuracy.
4. Clean the sensor thoroughly before each buffer application (refer to Section 6).
5. Apply the first buffer solution (e.g., pH 7) to the sensor well as instructed by the app. Wait for the reading to stabilize.
6. Rinse the sensor with distilled water and blot dry before applying the next buffer.

7. Repeat the process for subsequent buffer solutions (e.g., pH 4 and/or pH 10) as guided by the app.
8. The app will confirm successful calibration.

The pH2Go supports up to 5-point calibration for enhanced precision.

## **6. MAINTENANCE**

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The pH2Go's glass-free ISFET sensor and gel reference electrolyte are designed for low maintenance. Routine cleaning and proper storage are key to prolonging the life and accuracy of your device.

### **6.1. Cleaning the Sensor**

Clean the sensor immediately after each measurement and before calibration.

1. Rinse the sensor well thoroughly with distilled or deionized water.
2. Gently wipe the sensor surface with a soft, lint-free cloth or tissue. Avoid abrasive materials.
3. For stubborn residues, a mild detergent solution followed by a thorough rinse with distilled water may be used. Consult the safety guide for specific cleaning agent recommendations.

## Effortless cleaning: rinse & wipe



*Figure 6: Effortless cleaning of the pH2Go sensor. This image shows a hand gently wiping the sensor area of the pH2Go with a tissue, illustrating the ease of cleaning.*

### 6.2. Storage

The glass-free ISFET sensor allows for dry storage, eliminating the need for liquid storage solutions.

1. Ensure the sensor is clean and dry before storage.
2. Place the protection cap securely over the sensor well.
3. Store the pH2Go in a cool, dry place, away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

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This section addresses common issues you might encounter with your pH2Go meter. For more detailed troubleshooting, refer to the comprehensive safety guide or the Anton Paar support website.

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed batteries.	Check battery polarity. Replace with new AAA batteries.
Cannot connect to Meister App.	Bluetooth off on mobile device; device not in pairing mode; app issue.	Ensure Bluetooth is enabled. Restart pH2Go and app. Follow app's pairing instructions.
Inaccurate or unstable readings.	Sensor dirty; calibration required; expired buffer solutions; insufficient sample volume.	Clean the sensor thoroughly. Perform a fresh calibration with new buffer solutions. Ensure at least 0.5 mL sample is used.
Calibration fails.	Dirty sensor; incorrect buffer solutions; expired buffer solutions; incorrect calibration procedure.	Clean sensor. Use fresh, correct pH buffer solutions. Follow app-guided calibration steps precisely.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	389554
Sensor Type	Glass-Free ISFET pH Sensor
Accuracy	±0.02 pH
Minimum Sample Volume	0.5 mL
Waterproof Rating	IP67
Connectivity	Bluetooth Low Energy (BLE)
App Compatibility	Meister Apps (iOS, Android, Web)
Calibration	App-guided, up to 5-point calibration with ATC
Power Source	2 x AAA Batteries
Item Weight	2.2 pounds (approximately 1 kg)
Package Dimensions	6.3 x 4.92 x 2.56 inches
Manufacturer	Anton Paar

## 9. WARRANTY AND SUPPORT

For detailed information regarding the product warranty, please refer to the included Safety Guide or visit the official Anton Paar website. The warranty typically covers manufacturing defects for a specified period from the date of purchase. For technical support, service, or inquiries about replacement parts, please contact Anton Paar customer service. Contact details can usually be found in the Safety Guide or on the Anton Paar website:

- **Anton Paar Official Website:** [www.anton-paar.com](http://www.anton-paar.com)
- **Meister Apps Support:** Refer to the help section within the Meister Apps for app-specific support.

Always retain your proof of purchase for warranty claims.

