MEYTEC®

POOL
AND SPA
ACCESSORIES

ENGLISH

USER MANUAL

GT-500PH

pH meter

Digital pH meter for pools, spas and aquariums

pH 0.00 – 14.00
measuring range

± 0.05 pH
accuracy

3 points
automatic calibration

4 × LR44
batteries already in the device

ATC
automatic temperature compensation



i Read this user manual before first use and keep it for future reference.

About this device

The Meytec GT-500PH is a pocket-sized digital pH meter. It lets you measure the pH and the temperature of a liquid, quickly and accurately.

Suitable for pools, spas, aquariums and water treatment. The ideal pH of pool water is usually between 7.2 and 7.6. Always follow the manual of your installation.

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1 Package contents

IN THE BOX

- GT-500PH pH meter with protective cap
- 4 LR44 button cells (already in the device)
- Quick start guide

AVAILABLE SEPARATELY AT MEYTEC.EU

- pH calibration solutions pH 4.01, pH 7.00 and pH 10.01



2 Safety

Read these safety instructions carefully. This way you use the device safely and avoid damage.

⚠ Button cells (LR44)

- Keep new and used button cells out of the reach of children.
- A swallowed button cell can cause severe internal burns within 2 hours.
- Do you suspect that someone has swallowed a button cell or put one inside their body? Seek medical help immediately and call 112.
- Ireland: Poisons Information Line 01 809 2166 (8am–10pm). Emergency: 112 or 999.
- Do not recharge the button cells. Do not open, burn or short-circuit them.
- Always close the battery compartment properly. Do not use the device if the compartment does not close properly.

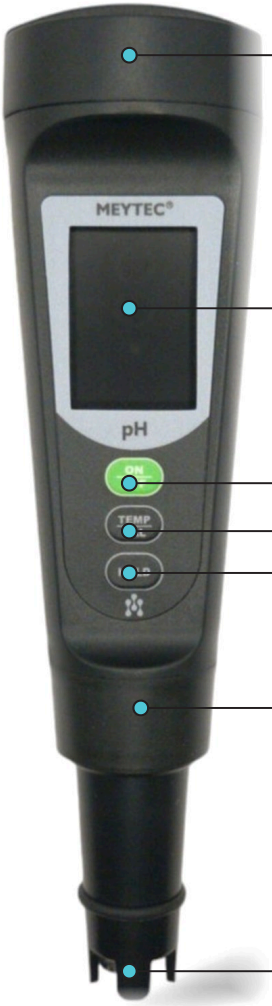
Use

- IP65: dustproof and resistant to water jets. Never immerse the device completely and never deeper than the MAX line.
- Screw both caps on firmly, the protective cap over the sensor at the bottom and the battery compartment at the top, and screw the sensor section on tightly, so that the device stays watertight. Water in the device due to a loose battery compartment or sensor section is not covered by the legal guarantee.
- Only measure within the temperature range of 0 to 50 °C.
- Do not drop the device and do not knock the electrode against anything.
- Keep the device out of the reach of children. It is not a toy.

Calibration solutions and pool water

- Follow the safety information on the label and in the safety data sheet of each solution.
- After contact with the skin or eyes, rinse thoroughly with water.

3 Device overview



1 Battery compartment
At the top, for 4 LR44 button cells.

2 Display
Shows the pH, the temperature and the battery indicator.

3 ON/OFF
Switches the device on or off.

4 TEMP/CAL
Switch between °C and °F, or start calibration.

5 HOLD
Hold the reading.

6 MAX line
Never immerse the device deeper than this line.

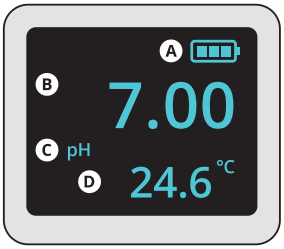
7 pH electrode
The sensor, under the protective cap.

Keys and display

THE KEYS

ON/OFF	Press briefly: the device switches on or off.
TEMP/CAL	Press briefly: switch between °C and °F. Hold for 5 seconds: calibration mode opens. In calibration mode: press briefly as soon as the value is stable.
HOLD	Press briefly: the reading stays on the display. Press again to continue measuring.

THE DISPLAY



- A Battery indicator
- B pH value
- C Unit
- D Temperature in °C or °F

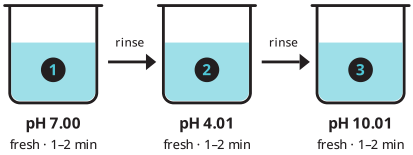
4 First use

1. Unpack the device and check that everything is present and undamaged.
2. Remove the protective cap from the electrode.
3. Press ON/OFF. The device switches on.
4. Calibrate the device at 3 points before you measure for the first time (see chapter 5).

> **TIP**
> Does the display stay blank? Check the button cells (see chapter 7).

5 Calibration

Calibrating adjusts the device to solutions with a known pH. This keeps the measurement accurate.



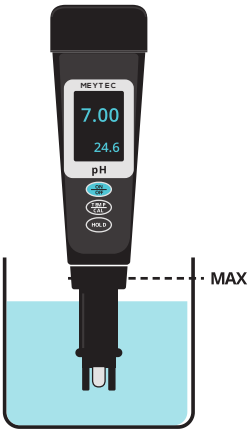
NEW OR NOT CALIBRATED FOR A LONG TIME	At 3 points: pH 7.00, 4.01 and 10.01, for correct accuracy.
AFTER THAT	At 1 or 2 points: pH 7.00 and 4.01, or pH 7.00 and 10.01, depending on where the measured value lies.
POOL	Around pH 7: you can keep calibrating at pH 7.00 only. Nevertheless, recalibrate at 3 points regularly.

1. Take the pH meter and open a fresh sachet or a fresh bottle of calibration solution. Never calibrate directly in a bottle: pour a small amount into a clean beaker, or calibrate directly in the sachet (single use). Always start with pH 7.00.
2. Place the meter in the solution and shake the meter gently. At the first point, open calibration mode: hold TEMP/CAL for 5 seconds.
3. Wait until the value on the display is completely stable; this can take 1 to 2 minutes. Only then press TEMP/CAL: the meter recognises the pH value itself and calibrates to that value.
4. Rinse the meter and shake it dry.
5. Place the meter in the next pH value (pH 4.01 or pH 10.01) and repeat the same process. You therefore choose which points you calibrate through the solution.

After the last point, refit the protective cap. Error message? Then the value deviates too much: try again with fresh calibration solution. If the sensor is worn, the meter must be replaced. A defect that was already present at delivery is covered by the legal guarantee.

6 Measuring

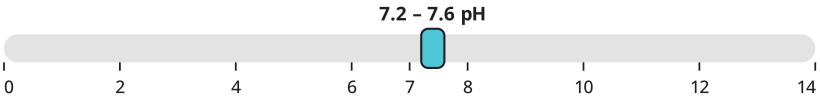
1. Remove the protective cap.
2. Press ON/OFF.
3. Immerse the meter only until the sensor is under water, no deeper than the MAX line. Never immerse the meter completely.
4. Wait until the pH value is completely stable and read it. The meter compensates for temperature automatically (ATC).
5. If required, press HOLD to hold the value.
6. Rinse the electrode with clean water, switch the device off and refit the protective cap.



Immersion: never deeper than the MAX line.

REFERENCE VALUE

Ideal pH of pool water: usually 7.2 to 7.6.



Always follow the manual of your installation.

7 Care and storage

CARE

- Rinse the electrode with clean water after each use.
- Always refit the protective cap. Never let the electrode dry out.
- Calibrate regularly with fresh calibration solutions.

STORAGE

- Store the device with the protective cap fitted.
- Store it in a dry place, out of the reach of children.

REPLACING THE BATTERIES

The button cells are already in the device on delivery. Does the battery indicator show an empty battery? Then replace all 4 button cells at the same time with 4 new LR44 button cells.

1. Switch the device off with ON/OFF.
2. Open the battery compartment (1) at the top of the device.
3. Remove the 4 button cells. Insert 4 new LR44 button cells, observing the + and the –.
4. Screw the battery compartment firmly shut so that the device stays watertight.
5. Take the empty button cells to a battery collection point (see chapter 11).

> ⚠ **Keeping it watertight**
>
> IP65: dustproof and resistant to water jets. Do not immerse completely. Always screw the battery compartment and the sensor section firmly shut so that the meter stays watertight. Water in the device due to a loose battery compartment or sensor section is not covered by the legal guarantee.

8 Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
The display stays blank.	The button cells are empty.	Replace the 4 LR44 button cells (see chapter 7).
The battery indicator is low.	The button cells are running low.	Replace all 4 button cells at the same time.
The value keeps changing.	The measurement is not yet stable.	Wait until the value is completely stable. This can take 1 to 2 minutes.
The value does not seem correct.	The device has not been calibrated recently, or the calibration solution is not fresh.	Recalibrate with fresh solutions, at 3 points.
The value no longer changes.	HOLD is on.	Press HOLD to continue measuring.
The temperature is shown in °F.	The unit has been changed.	Briefly press TEMP/CAL to return to °C.
The measurement is slow or unstable after long storage.	The electrode is dirty or has dried out.	Rinse the electrode with clean water and calibrate at 3 points.
Error message during calibration.	The value deviates too much from the calibration solution.	Try again with fresh calibration solution. If the sensor is worn, the meter must be replaced. A defect that was already present at delivery is covered by the legal guarantee.

> Does the problem persist? Contact Meytec via info@meytec.eu or +32 3 377 83 23. State the model and your order number.

9 Technical specifications

Model	GT-500PH
Measuring range	pH 0.00 – 14.00
Accuracy	± 0.05 pH
Temperature	0,0 – 50,0 °C
Temperature unit	°C or °F
Temperature compensation	Automatic (ATC)
Calibration	Automatic, 1 to 3 points: pH 4.01, 7.00 and 10.01
Protection rating	IP65: dustproof and resistant to water jets. Do not immerse completely.
Power supply	4 LR44 button cells
Battery indicator	Yes
EAN	5407007391646

10 Legal guarantee

As a consumer, you have a legal guarantee of at least 2 years from delivery. It covers defects that already existed at delivery, such as a manufacturing defect in the meter, the display, the electronics, the housing or the built-in electrode. If such a defect appears within those 2 years, we assume it already existed at delivery, unless we prove otherwise. If you live in Ireland, your rights under the Consumer Rights Act 2022 also apply and are not affected; they can last up to six years. Meytec does not offer any additional commercial guarantee.

The built-in electrode is a consumable: it wears from first use and cannot be replaced separately. Normal wear is not a defect.

The legal guarantee does not cover damage and faults that arise after delivery, such as a dried-out electrode; damage from dropping or impact; water in the device because the battery compartment or the sensor section was not screwed firmly shut, or because the meter was immersed deeper than the MAX line or completely; damage from leaking batteries; frost, heat or storage not in accordance with this manual; cleaning, calibration or use not described in this manual; and repairs or work by third parties. Report a problem to info@meytec.eu, with your invoice.

11 Disposal and recycling



The crossed-out wheeled bin means: do not dispose of this device or its batteries with household waste. Take them for separate collection. This allows the materials to be reused and keeps harmful substances out of the environment.

Ireland: take the device free of charge to your local recycling centre (civic amenity site) or to a retailer that takes back electrical equipment.

In other countries, take the device and the batteries free of charge to a municipal collection point or to a shop that takes back electrical and electronic equipment.

BATTERIES



- Remove the button cells from the device before you hand it in.
- Take empty button cells free of charge to any shop that sells batteries (no purchase needed) or to a recycling centre.
- Batteries may contain substances that are harmful to the environment and to health. Taking them for separate collection makes recycling possible.
- How to reduce waste: use the device for as long as possible and replace only the button cells when they are empty.
- The crossed-out wheeled bin on the battery means: do not dispose of with household waste; take for separate collection.

PACKAGING



Box
PAP 21
Recycling bin



Insert
PET 1
Recycling bin

Always follow your local council's recycling rules.

12 Conformity and contact

This device complies with Directive 2014/30/EU (EMC) and Directive 2011/65/EU (RoHS), as amended by Directive (EU) 2015/863. The EU declaration of conformity can be requested via info@meytec.eu.

PRODUCT IDENTIFICATION

Type	**pH meter**
Model	**GT-500PH**
EAN	**5407007391646**
Lot number	**see the packaging**
Country of origin	**China**

MANUFACTURER AND CONTACT

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Website	**meytec.eu**
Company number	**BE 0747.687.975**

Manuals and downloads
meytec.eu/en-ie/downloads/instruction-manuals/

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