



WT-10

**pH / mV / Temp. Pen-Type
Water Quality Meter**

Users Manual

- Mode d'emploi
- Bedienungshandbuch
- Manual d'Uso
- Manual de uso



WT-10

pH / mV / Temp. Pen-Type Water Quality Meter

Users Manual

English

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Limited Warranty and Limitation of Liability

Your Amprobe product will be free from defects in material and workmanship for 1 year from the date of purchase. This warranty does not cover fuses, disposable batteries or damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Amprobe's behalf. To obtain service during the warranty period, return the product with proof of purchase to an authorized Amprobe Test Tools Service Center or to an Amprobe dealer or distributor. See Repair Section for details. THIS WARRANTY IS YOUR ONLY REMEDY. ALL OTHER WARRANTIES - WHETHER EXPRESS, IMPLIED OR STATUTORY - INCLUDING IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, ARE HEREBY DISCLAIMED. MANUFACTURER SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, ARISING FROM ANY CAUSE OR THEORY. Since some states or countries do not allow the exclusion or limitation of an implied warranty or of incidental or consequential damages, this limitation of liability may not apply to you.

Repair

All test tools returned for warranty or non-warranty repair or for calibration should be accompanied by the following: your name, company's name, address, telephone number, and proof of purchase. Additionally, please include a brief description of the problem or the service requested and include the test leads with the meter. Non-warranty repair or replacement charges should be remitted in the form of a check, a money order, credit card with expiration date, or a purchase order made payable to Amprobe® Test Tools.

In-Warranty Repairs and Replacement – All Countries

Please read the warranty statement and check your battery before requesting repair. During the warranty period any defective test tool can be returned to your Amprobe® Test Tools distributor for an exchange for the same or like product. Please check the "Where to Buy" section on www.amprobe.com for a list of distributors near you. Additionally, in the United States and Canada In-Warranty repair and replacement units can also be sent to a Amprobe® Test Tools Service Center (see below for address).

Non-Warranty Repairs and Replacement – US and Canada

Non-warranty repairs in the United States and Canada should be sent to a Amprobe® Test Tools Service Center. Call Amprobe® Test Tools or inquire at your point of purchase for current repair and replacement rates.

In USA

Amprobe Test Tools
Everett, WA 98203
Tel: 877-AMPROBE (267-7623)
Fax: 425-446-6390

In Canada

Amprobe Test Tools
Mississauga, ON L4Z 1X9
Tel: 905-890-7600
Fax: 905-890-6866

Non-Warranty Repairs and Replacement – Europe

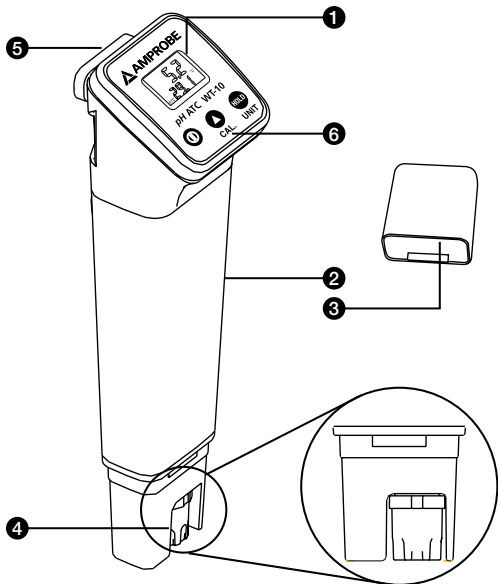
European non-warranty units can be replaced by your Amprobe® Test Tools distributor for a nominal charge. Please check the "Where to Buy" section on www.amprobe.com for a list of distributors near you.

Amprobe® Test Tools Europe

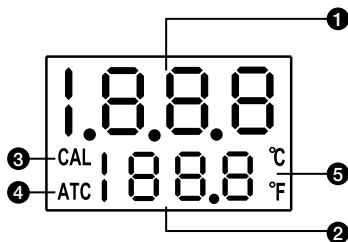
In den Engematten 14
79286 Glottertal, Germany
Tel.: +49 (0) 7684 8009 - 0

*(Correspondence only – no repair or replacement available from this address. European customers please contact your distributor.)

WT-10 pH / mV / Temp. Pen-Type Water Quality Meter



1. Primary screen displays pH & temperature reading
2. Replaceable pH electrode
3. Cover of the electrode
4. Glass bulb (protected by transparent plastic cap)
5. Pocket clip
6. Operation button



1. pH reading
2. Temperature reading
3. Calibration mode indicator
4. Auto temperature compensation indicator
5. Temp. unit (oC or oF)



POWER KEY :
Power on/off



CAL/ ▼ Key : Calibration function, Roll up while in calibration mode.







HOLD/UNIT KEY : Freeze reading, Change temperature unit.

WT-10 pH / mV / Temp. Pen-Type Water Quality Meter

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SYMBOLS

	Caution! Refer to the explanation in this Manual
	Conforms to relevant Australian standards
	Complies with European Directives
	Do not dispose of this clamp meter as unsorted municipal waste. Contact a qualified recycler for disposal.

⚠ WARNING and PRECAUTIONS

- *Please always keep the pH glass bulb wet by using the cap to protect and store the electrode.*
- *Always rinse the pH electrode and reference junction in de-ionized water before next use.*
- *Never touch or rub glass bulb to lengthen pH electrode life.*
- *Recommend soak the electrode for at least 30 minutes before using, especially if the electrode dries out between uses or after long time unuses.*

UNPACKING AND INSPECTION

Your shipping carton should include:

- 1 WT-10 meter
- 2 CR2032 battery
- 1 Manual
- 1 Soft pouch

If any of the items are damaged or missing, return the complete package to the place of purchase for an exchange.

INTRODUCTION

Congratulations on your purchase of WT-10 pH/Temp. pen-type water quality meter. A convenient instrument to measure water pH value and temperature.

Features

- IP66 Waterproof housing.
- Easy to read 45° angle display
- Dual display with ATC (°C / °F switchable)
- Data hold to freeze display
- Replaceable pH electrode
- Auto power off
- One touch only for calibration

OPERATION

1. Remove the cover to expose the electrode. Electrode is protected by a small transparent plastic cap. It is normal if white crystals are present on the electrode assembly. Rotate the small transparent plastic cap in clockwise direction to expose the electrode glass bulb. **DON'T** pour out the liquid in the small cap, the liquid is used to keep electrode wet.
2. Press "**POWER**" button to turn on the meter. Dip the electrode into the test solution and gently stir it to get a stable reading.
3. A small dot "●" is flashing while the meter is working, the screen shows pH value and temperature (ATC) with unit °C or °F (**Fig.1**)
4. Press "**HOLD**" button to freeze the current reading. The small dot stops flashing.
5. The meter is capable of taking measurements with Automatic Temperature Compensation. "**ATC**" shows at the left corner of the screen.

6. Turn off the meter by pressing "**POWER**" button.
7. Put back the transparent plastic cap and outer cover to protect the electrode.
8. Easy to change the temperature unit. When meter is off, press "**POWER**" & "**CAL/▼**" at the same time and then release the "**POWER**" key to enter unit setting. Press "**HOLD/UNIT**" to select °C or °F (**Fig. 2**). Then, press "**CAL/▼**" to store the setting, the display shows "**SA**" for one second and then return to normal measurement mode.

Auto Power Off

This instrument will shut off automatically in approx. 20 minutes for every power on. For recording or operating over longer period of time, disable the sleep mode by pressing "**POWER**" and "**HOLD/UNIT**" at the same time before power on and then release the "**POWER**" key. An "**n**" will appear in the middle of the screen for one second (**Fig.3**) and return to the normal measurement mode.

Calibration Mode (Cal)

Calibration is necessary and should be done regularly. Recommend every day if the meter is used very often.

1. Power on the meter.
2. Press "**CAL/▼**" to enter calibration mode, "**4.00**" & "**CAL**" will display on the LCD.

NOTE: If the buffer is incorrectly inserted or the probe is damaged, "**CAL**" will not flash.

3. After about 60 seconds, the value will be automatically saved. "**SA**" shows for one second and then entering next calibration point.

4. LCD now shows "**7.00** " & "**CAL**", CAL doesn't flash until you remove the meter into correct calibration buffer. "**CAL**" flash for about 30 seconds, then, value will be saved automatically and "**SA**" shows for 1 second. Same procedure for 10.00 calibration. (*Fig.4*)
5. 3 calibration points: 4.00, 7.00 and 10.00. After completing the last calibration point 10.00, the meter shows "End" for one second and return to normal measurement mode.
6. To calibrate "**7.00**" before "**4.00**", press "**CAL/▼**"KEY to select the desired calibration point. "**CAL**" should be kept at non-flash status while selecting the calibration point.
7. The meter designs with an adjustable calibration range to meet different solution standard. The adjustable range for 4.00 pH is 3.50 to 4.50. Hold "**HOLD/UNIT**" key cycle from 3.5 to 4.5 then 3.5 again. Release the key when desired point is selected. The adjustable range for pH 7.00 is 6.50~7.50. For 10.00 pH range, it is 9.50~10.5.
8. Rinse the probe with de-ionized water or a rinse solution (tap water...) after each measurement to lengthen the meter's life. without saving.

SPECIFICATIONS

Range : 0.00~14.00pH

Resolution : +0.01pH

Accuracy : +0.05pH

ATC : 0~50°C / 32~122°F

Temperature Accuracy : ±0.5°C

Operation temp. : 0~50°C / 32~122°F

Operation RH% : 0~80%RH

Power Requirements : 2pcs 3V (Type: CR2032)

CE - EMC: Conforms to EN61326-1.

This product complies with requirements of the following European Community Directives: 89/ 336/ EEC (Electromagnetic Compatibility) and 73/ 23/ EEC (Low Voltage) as amended by 93/ 68/ EEC (CE Marking). However, electrical noise or intense electromagnetic fields in the vicinity of the equipment may disturb the measurement circuit. Measuring instruments will also respond to unwanted signals that may be present within the measurement circuit. Users should exercise care and take appropriate precautions to avoid misleading results when making measurements in the presence of electronic interference.

MAINTENACE AND REPAIR

Make sure the electrode is clean! Between measurements, rinse the electrode with deionised water. If the eletrode has been exposed to a solvent immiscible with water, clean it with a solvent miscible with water e.g. ethanol or acetone and rinse carefully with water. Store the electrode carefully! Before storing, rinse it carefully in deionized water and store **WET**.

Battery Replacement

Replace your batteries when the readings on the display are flashing or meter can not power on. To replace the battery:

1. Remove the pH electrode module (see next section).
2. Replace with two new CR2032 batteries.
3. Put back the pH electrode module.
4. Recalibrate the pH meter after battery change.

Remove batteries from meter before long term storage.

Electrode Replacement

Replace the electrode module when needed.

1. Place the finger nail under the clip, pull up the clip to release the lock and then push up the top part of the meter.**(Fig.5)**
2. Push down the top part of the meter into a new electrode module, align with the internal guides to lock the meter.

TROUBLESHOOTING

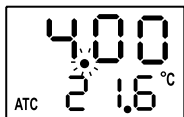
Power on but no display

Check the batteries are in place and making good contact and correct polarity. Replace a new battery if needed.

Slow response

Clean probe by immersing the electrode in tap water for 10-15 minutes, then thoroughly rinse with distilled water or use a general purpose electrode cleaner.

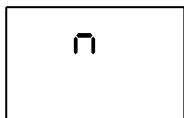
Out of pH range. Too acidic or too alkaline or the electrode is not immersed in the water.



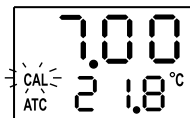
Figur 1.



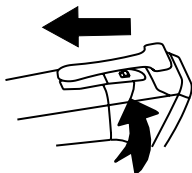
Figur 2.



Figur 3.



Figur 4.



Figur 5

Visit www.Amprobe.com for

- Catalog
- Application notes
- Product specifications
- User manuals



Please Recycle